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# COMPETITION POWER

Your Guide to Government Jobs & All other Competitive Exams



## What's There

**G.K. Hindu Review: May  
Current Affairs Zinger April**

**HANDY NOTES :**

- Prepositions
- Height and Distances
- Inequalities
- Indian Polity: Citizenship
- Computer Terminologies
- A brief on Mutual Funds

**Banking Tricky Notes  
Twisted Ones**

**PRACTICE SETS:**

- SSC CGL 2016
- SBI CLERK MAINS
- SBI PO PRELIMS
- SBI PO MAINS
- UIIC AO / IBPS PO MAINS

## Newsmakers

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- ⇒ State/UT Assembly Elections 2016 Results Declared
- ⇒ South Korean author Han Kang wins Man Booker International Prize
- ⇒ ISRO Successfully Launches Seventh Satellite for India's Own Navigation System
- ⇒ RBI releases "Draft Guidelines for 'on tap' Licensing of Universal Banks in the Private Sector"
- ⇒ 'Dhan Wapsi' Income Declaration Scheme for domestic black money to commence from June 01

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## From the Editor's Desk

Dear Readers,

Bankers Adda in collaboration with Career Power brings to you **Competition Power (July Edition)**. The reason why this collaboration is so important and a landmark event as both BA and Career Power has had a long and extremely successful association with students appearing for competitive exams.

This magazine includes various initiatives that cover various aspects of Banking and SSC exams in an exhaustive manner.

Keeping in mind the upcoming exams, we have covered Current Affairs for not only the month of **May** but also for the month of **April** under the name "**Current Affairs Zinger**". To make learning easy for the students we have also introduced another initiative by the name "**NEWS MAKER OF THE MONTH**" which covers all the important people, appointments, awards, etc that have made news.

Having covered the GK and CA portion in an exhaustive manner, we have also given equal importance and focus to all the other aspects of the exams, be it Covering each aspect of the various subjects (like reasoning, english, quant, computers) right from building the student's concepts to helping him practice a few topics. or be it Interview Preparation or Guidance and boosting the confidence of students. We Have It All Covered!!!

Along with this we have also included **Mock Papers** on **SBI Clerk Mains Practice Set, SBI PO Prelims Practice Set, SBI PO Mains Practice Set, IBPS PO Mains /UIIC AO Practice Set and SSC CGL Practice Set following the respective exam pattern** for practice for our readers, so that they can increase their speed and accuracy. This edition of Magazine also includes a new series named "**Twisted Ones**" which will have questions with higher difficulty level.

Basically this magazine is a one stop place for all those preparing for government sector competitive exams. Within few months of its launch, it has become quite popular among the students, who love to refer to it for their exams.

We believe that each and every student has the hidden potential to reach the unattainable heights, and it is our responsibility to provide them with a platform that hones their skills enabling them to overcome each and every challenge that comes their way while appearing for these exams.

Having said this I would like to give special thanks to the specialized mentors of Bankers Adda and Career Power team for providing us with the needed support and making this magazine a success.

Good Luck And God Bless

**Team Competition Power !!**

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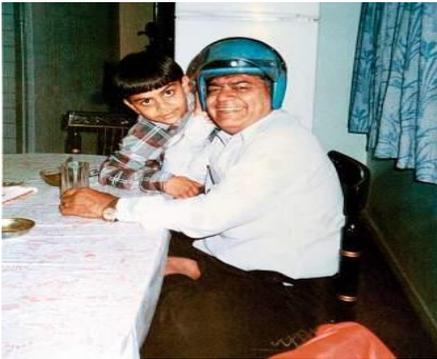
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## You CAN be the “Kohli” of your Field

Hello Friends,

Today we are going to talk about a personality who has not only won the million hearts, but also ruling them with his consistent performance. This article is about the person who



started playing cricket at his early age and went on improving himself as a true CHAMPION.

Yes friends, you have guessed it right, we are talking about none other than

Virat Kohli. It may seem irrelevant to talk about the cricketer and that too just a day or two before SBI exam. But friends, it is not only about Kohli, but about the efforts he put to get what he really desires.

There are certain things, that you may not know about Chikku (Virat's Nick Name) but the ultimate result is in front of us. In 2006, during his debut Ranji season, he decided to play the match against Karnataka despite his father's death the same day and went on to score a crucial 90 for his team. If we talk about his recent



performance 2016 T20 World Cup, he played consistently for the team and he was the only one who scored in every match. And he continued his performance in the current season of IPL 2016. He scored 865 runs in 13 matches with a strike rate of 155 which is one of the excellent figures from T20 point of view. Not only that, he has also scored 4 centuries and 5 half centuries. This really shows how his performance is and how much his team relies on him.

But what perspective do we need to look at totally depends on us. We may enjoy the 3 and half hrs performance but the hard work needed behind that is much more. Kohli in an interview once said that fitness is what he really cares for and to be fit, he can do anything. And he shows every aspect of his fitness in the field. He does what is needed to be the best. The amount of dedication he puts, the amount of efforts he put cannot be compared to anyone else.

Friends, exam is just a game of few hours and it totally depends on us that how we are going to play in that particular moment. So are we ready to play the crucial game of Life! Are we putting the efforts needed to clear the exam? Do we even care about the future we are going to have without job? These are some harsh questions that life puts in front of us. Its good to be optimistic but realising the truth is also required.

**Dream is not that you see in sleep, dream is something that does not let you sleep.**

**-Abdul Kalam**

Friends, these quotes are not noly meant for reading, but to be meant for implementing. Everything goes in vain with one negative result. All your hard work washes out with that one negative result. And if you are really dedicated, then only you will be able to convert it in positive. Otherwise everyone is living their lives, either by choice or by force.



## NEWS MAKERS OF THE MONTH – MAY 2016

### STATE/UT ASSEMBLY ELECTIONS 2016 Results Declared

#### Puducherry Assembly Election 2016

The Congress party in alliance with DMK has stormed to power in tiny union territory Puducherry, securing a simple majority of 17 in the 30-member assembly.



Congress which contested 21 seats won in 15 seats. DMK emerged successful in two segments, giving the combine a clear majority as it bucked initial trends of a close fight with the AINRC when counting of the votes

polled in the May 16 assembly elections was taken up.

#### Kerala Assembly Election 2016: LDF set to return to power

The 2016 Kerala Assembly Election has won by the CPI (M) led Left Democratic Front (LDF) by the absolute majority by winning 91 seats (44.94% votes) of the total 140 seats. Among the LDF, Communist Party of India (Marxist) by winning 58 seats has emerged single largest party. Other LDF allies have won Communist Party of India-19 seats, Janata Dal (Secular)-3 seats, Nationalist Congress Party-2 seats, other LDF supporters-9 seats.

While, the United Democratic Front (UDF) led by outgoing Chief Minister Oommen Chandy has emerged as largest opposition front. It has won total 47 seats (45.83% votes).

#### AIADMK Retains Power in Tamil Nadu

Jayalalithaa Jayaram, commonly referred to as Amma, Jayalalithaa's AIADMK has clearly headed to retain power in Tamil Nadu by winning 134 seats as arch rival DMK gave a strong fight bagging 89 segments. CM Jayalalithaa, set to create history by becoming the first ever leader to retain power in the state since 1989, as she retains R K Nagar constituency defeating DMK rival by 39,545 votes. Jayalalithaa secured 97,218 votes against Shimla Muthuchozhan who polled 57,673 votes.

#### West Bengal Assembly Election 2016

In the West Bengal election, ruling All India Trinamool Congress (TMC) of Chief Minister Mamta Banerjee crossed the two-third mark by winning 211 seats. Congress- Left combine has taken 76 seats while BJP has bagged 3 seats. West Bengal Chief Minister and TMC Supremo, Mamta Banerjee won from Bhabanipur Assembly

Constituency. She defeated her nearest Congress rival Deepa Dasmunshi by over 25 thousand votes.

#### Assam Assembly Election 2016

In Assam Assembly Election 2016, Bhartiya Janata Party (BJP) and its alliance partners have won an absolute majority by winning 87 seats (16.46% votes) in the 126 member House. BJP alone has won 60 seats (29.5% votes) on its own, thus making history by winning an Assam assembly election for the first time. So as result, Union Sports Minister Sarbananda Sonowal is all set to become the next Chief Minister of Assam.

### South Korean author Han Kang wins Man Booker International Prize

Han Kang, a South Korean author has won the 2016 Man Booker International Prize for her novel 'The Vegetarian'. It is about a story of a wife, who gives up eating meat and seeks to become a tree. The decision provokes cruelty from her husband, and from her father and obsession from her sister's husband, as the woman, Yeong-hye, dreams obsessively about becoming a tree.



The 45-year-old Han kang is the first South Korean to win the prize. The writer and her British translator will share the 72,000 Dollar prize money. The book was translated by Deborah Smith, a 28-year-old Briton who only began learning Korean when she was 21. The prize ceremony held at the Victoria & Albert Museum in London. The novel was picked unanimously by the panel of five judges, beating six other novels.

### BAFTA TV Awards 2016 has been Announced



The British Academy Television Awards have been presented by the British Academy of Film and Television Arts (BAFTA). This year's British Academy

Television Awards, hosted by Graham Norton.

The important winners were:

- Drama series- Wolf Hall (BBC2)

- **Entertainment Programme-** Strictly Come Dancing (BBC1)
- **Single drama-** Don't Take My Baby (BBC3)
- **Comedy and comedy entertainment programme-** Have I Got News for You (BBC1)
- **Leading actress-** Suranne Jones – Doctor Foster (BBC1)
- **Leading actor-** Mark Rylance – Wolf Hall (BBC2)
- **Factual series-** The Murder Detectives (Channel 4)
- **Live Event-** Big Blue Live (BBC1)

The Special Award in Honour of Alan Clarke - Presented to Lenny Henry, Britain's best-loved comedians and writers, in recognition of his outstanding creative contribution to television during a career for 40 years.

## ISRO Successfully Launches Seventh Satellite for India's Own Navigation System

IRNSS-1G was launched on PSLV-C33 from the Satish Dhawan Space



Centre on the Sriharikota Island. With the Indian Regional Navigation Satellite System (IRNSS), the country has joined the league of 5 other countries with their own navigational

systems, including the US, Russia, China, and the European Union. Until now, India had been largely using the GPS developed by the US. The IRNSS will provide information to people in India, and up to 1,500 km around the mainland. It will also give standard position service (SPS) within an accuracy of less than 20 meters to all users, and a restricted service (RS) with an accuracy of 10 meters to the military.

## RBI releases "Draft Guidelines for 'on tap' Licensing of Universal Banks in the Private Sector"



The Reserve Bank of India (RBI) has released the 'draft guidelines for 'on tap' Licensing of Universal Banks in the Private Sector'.

**Present guidelines include:**

(i) Resident individuals and professionals having 10 years of experience in banking and finance as eligible persons to promote universal banks,

(ii) Large industrial/business houses are excluded as eligible entities but permitted to invest in the banks to the extent of less than 10 per cent,

(iii) Non-Operative Financial Holding Company (NOFHC) has now been made non-mandatory in case of promoters being individuals or standalone promoting/converting entities who/which do not have other group entities,

(iv) The NOFHC is now required to be owned by the promoter/promoter group to the extent of at least 51 % of the total paid-up equity capital of the NOFHC, instead being wholly owned by the promoter group,

(v) Existing specialised activities have been permitted to be continued from a separate entity proposed to be held under the NOFHC subject to prior approval from the Reserve Bank and subject to it being ensured that similar activities are not conducted through the bank as well.

Based on the recommendations of the Narasimham Committee, Raghuram G. Rajan Committee and other viewpoints, the Reserve Bank came out with a policy discussion paper on Banking Structure in India.

## 'Dhan Wapsi' Income Declaration Scheme for domestic black money to commence from June 01

The central has announced its amnesty scheme for declaring domestic black money would start from June 1st. Individuals willing to declare their black money in the country will have to pay tax and a penalty, totaling 45 per cent, to come clean. It will remain in force till 30th of September.



The declarations can be filed online or with the Principal Commissioners of Income-tax. The scheme is part of Finance Act, 2016 which seeks to provide an opportunity to all persons who have not declared their income correctly in previous years to come forward and declare their undisclosed incomes.

As per the scheme, income as declared by the eligible persons, would be taxed at the rate of 30 per cent plus a 'Krishi Kalyan Cess' of 25 % on the taxes payable and a penalty at the rate of 25 % of the taxes payable, thereby totaling to 45 % of the income declared under the scheme.

## CAREER POWER STUDENT SUCCESS STORY : SUCCESS IS NOT EASY AND CERTAINLY NOT FOR LAZY

**Name:** Surya Pratap Chauhan  
Bahadrabad Haridwar

**Qualification:** B.Tech (CSE) from Kumaon Institute of Technology Dwarahat (2011-2015)

### Selected as PO in Union Bank of India

I am a silent reader of bankersadda from the day i started following the website. Today I am sharing my success story & also some tips which i followed during my preparation, hope it will be useful for all who are preparing seriously. After completing my graduation from a government college in 2015 i started preparing for bank PO from july last week. For it i joined a coaching institute and apart from that i bought careerpower test series which provided me an edge in clearing the exam.



Test series is the best means to increase speed and to evaluate yourself. I recommend everyone to give 1 test daily as by giving tests u come across through different type of questions by which u learn several methods to solve the same. As per my experience GA section proved to be game changer in these exams and daily quizzes and Capsules provided by bankersadda will surely change the game for you. By following bankersadda for 4 months i am able to score 31 marks in GA section which from my point of view is a decent score in the section. As i am from computer background so computer section was easy for me. For quant and reasoning i found BSC publicatios to be the best in market. After clearing mains its time for interview part.

For it I joined careerpower interview classes under the guidance of T.C. Jain sir and friends i got 71 marks in interview and clear IBPS PO 5 in my first attempt. My advice to all aspiring candidates of Po 6 is that beleive in yourself and be a hard worker to clear such exams.

Lastly special thanks to my most supportive parents, my guide T.C. Jain sir, whole bankersadda team, my family members.

**SUCCESS  
SPEAKS FOR US**

- 6,330+**  
Selections in IBPS Clerk-V 2016
- 12,057+**  
Selections in IBPS Clerk PRE 2015
- 550+**  
Selections in SBI PO MAINS 2015
- 1,042+**  
Selections in SBI PO PRE 2015

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## CURRENT AFFAIRS : MAY 2016

### INDIA IN NEWS

#### President Pranab Mukherjee Inaugurates Intelligent Operations Centre and launches Mobile App Monitor

President Pranab Mukherjee has inaugurated an Intelligent Operations Centre (IOC) in Rashtrapati Bhavan. It helps collect and make sense of the rich data streaming in from several sources within the Estate to provide intelligent insights. The IOC is a software solution designed by IBM.



#### Election For 57 RS Seats On June 11

The Election Commission announced the biennial elections to 57 Rajya Sabha seats on June 11. The elections were necessitated as 55 members from 15 States are retiring between June and August. One seat each from Rajasthan and Karnataka vacated by Anand Sharma (Congress) and Vijay Mallya (Independent) respectively will also go for polls.

#### 400 railway stations across country to be revamped

The Government has plans to revamp around 400 railway stations across the country into iconic structures. Habibganj station in Bhopal will be taken up first and then eight more stations will be redeveloped shortly.

#### Arvind Kejriwal Presents Draft Bill To Seek Full Statehood For Delhi

Delhi Chief Minister Arvind Kejriwal has released the draft of State of Delhi Bill, 2016. The bill seeks to establish the State of Delhi as the 30th State in the country.

#### HRD Ministry to Bring IIT Preparation App

Aiming to combat the "menace" of coaching, the Human Resource Development Ministry is coming up with a mobile app and portal containing free lectures from IIT faculty on various subjects and previous years' question papers of entrance tests to these prestigious engineering institutions.

#### Union Government Opened tatkal Window to Expedite Examination Of Patent Applications

The Union Government has opened up a Tatkal Window to expedite examination of patent applications by start-ups as well

as entities choosing India for the first filing of patent. The government is aiming to bring down the time period for initial examination of patent applications from the present 5-7 years to 18 months by March 2018.

#### Draft National Policy for Women, 2016 unveiled

Women and Child Development(WCD) Minister Maneka Gandhi has released the draft of National Policy for Women, 2016 which seeks to address emerging challenges confronting women, including protection against cybercrime, security to surrogate mothers and bringing gender sensitivity in family planning policies. The will replace the earlier policy of 2001.

#### Centre asks all States To Convert 3,784 Urban Areas Into Statutory Urban Local Bodies

To promote planned urban development across the nation, the Ministry of Urban Development has asked 28 States to take immediate and necessary action to convert 3,784 Census Towns into statutory Urban Local Bodies to promote planned urban development.

#### Country's First Driver-Less Metro Train Flagged Off From New Delhi

Union Urban Development Minister Venkaiah Naidu and Delhi Chief Minister Arvind Kejriwal flagged off the trial run of the first driverless metro trains in New Delhi. These metro trains have extremely high levels of automation, which will have the capability of running without drivers in the future.

#### Dr. Jitendra Singh Inaugurates "Purbashree Stall" At Dilli Haat

To promote handlooms and handicraft products of the North Eastern region, the Union Minister of State for Development of North Eastern Region (DoNER), MoS PMO, Personnel, Public Grievances & Pensions, Atomic Energy and Space, Dr. Jitendra Singh inaugurated Purbashree stall at Dilli Haat.

#### India's first Solar-Powered Train Set for Trial In Jodhpur

The Indian Railways is all set to conduct trial of its first solar panel-powered train in Rajasthan's Jodhpur city. The Solar panels have been installed on top of the coaches in the train and the energy, which we will get from the sun, will be used for the functioning of lights and fans inside the coaches in the train.

**15 day 'Swachh Office drive' Launched**

As an accelerated thematic campaign under Swachh Bharat Mission, a 15-day special 'Swachh Office Drive' for ensuring cleanliness at all Government offices across the country has been launched.

**Centre Approves Proposal to Set Up Kalinganagar National Investment Manufacturing Zone**

The Centre has approved the Odisha Government's proposal to set up Kalinganagar National Investment and Manufacturing Zone in Jajpur district.

**Union Minister J P Nadda Lays Foundation Stone for Three Medical Colleges In Jammu & Kashmir**

Union Health and Family Welfare Minister J P Nadda laid the foundation stone for three new medical colleges at Rajouri, Anantnag and Baramulla districts in Jammu and Kashmir.

**Supreme Court slaps Rs 10 lakh On Spice Jet for Offloading Disabled Flyer**

The Supreme Court has directed budget airline Spicejet to pay Rs 10 Lakh as damages to a flyer, suffering from cerebral palsy, who was forcibly offloaded in 2012, saying the manner in which she was deboarded depicts "total lack of sensitivity".

**Union Cabinet Approves National Intellectual Property Rights Policy**

The Union Cabinet has approved the National Intellectual Property Rights (IPR) Policy. The Policy recognises the abundance of creative and innovative energies that flow in India, and the need to tap into and channelise these energies towards a better and brighter future for all.

**UIDAI Launches Special Enrolment Drive In 4 States, UTs**

The Unique Identification Authority of India (UIDAI) has launched a special drive to make sure that no one has been left out of Aadhaar enrolment in Haryana, Goa, Chandigarh and Puducherry.

**Government approves Rs 1,984-cr Delhi-Meerut Expressway stretch**

The government has approved widening of the crucial UP Gate to Dasna stretch of the Delhi-Meerut Expressway, to be built at an estimated cost of Rs 1,983 crore, which will ease traffic congestion in the national capital. Cabinet Committee on Economic Affairs (CCEA) has given its approval for development of 8/6 laning of Delhi-Meerut Expressway - Package-II-Uttar

Pradesh Border to Dasna Section of NH-24 in Uttar Pradesh. The total length of the road will be approximately 19 kms.

**BHU Completes Its 100 years Of Glorious Existence**

Madan Mohan Malaviya founded Banaras Hindu University to help promote the sustainable development, growth and eradication of poverty, this outstanding institution of excellence has completed 100 years of its eventful journey.

**Supreme Court Asked Delhi Government Not To Register New Diesel Cars**

The Supreme Court (SC) has relaxed its ban on diesel taxis in Delhi-NCR, allowing them to use till their permits expire.

**Niti Aayog to replace 5-year plans with 15-year vision document**

The National Democratic Alliance (NDA) government led by Prime Minister Narendra Modi, has decided to replace the five year plans with 15 year vision documents. These will be framed to meet the country's social goals without wavering from the sustainable growth agenda. It will be implemented after the 12th five year plan, as it is going to terminate in 2017.

**Suresh Prabhu Inaugurates Comrade Umraomal Purohit Memorial Research Centre in AIRF Office**

Union Railway Minister Suresh Prabhu has inaugurated Comrade Umraomal Purohit Memorial Research Centre situated in All India Railwaymen's Federation (AIRF) Office, New Delhi.

**Income Tax department's PAN-Aadhaar Linkage Crosses 50-Lakh Mark**

The Income Tax department's ambitious plan to link its PAN number database with Aadhaar has crossed the 50-lakh mark.

**Gujarat Government To kick-Start Solar Rooftop Project For Citizens**

Gujarat government is all set to launch its much awaited project of grid-connected rooftop solar power units, where in residential property owners will be encouraged to install this new system.

**Rajya Sabha Passes the Insolvency and Bankruptcy Code Bill 2016**

The Rajya Sabha has passed the Insolvency and Bankruptcy Code Bill 2016. The bill is being seen as a transformational legislation that will help in improving India's ranking in the World Bank's

Ease of Doing Business index. The Bill creates time-bound processes for insolvency resolution of companies and individuals.

#### **UP Government Approves Bicycle Highway Between Taj And Lion Safari**

The Uttar Pradesh government has cleared the proposal for constructing a "bicycle highway" connecting Taj Mahal in Agra to Lion safari in Etawah. The plan aims at encouraging eco-tourism in the vicinity of the Taj Mahal.

#### **Anti-Hijacking Bill, 2016 Passed by - Parliament**

Parliament has passed the Anti-Hijacking Bill, 2016 to extend the ambit of law dealing with this anti-hijacking crime. The Bill provides for the death penalty for hijackers even if ground airport personnel and handling staff are killed during such acts.

#### **Parliament Passes Bill On Potable Alcohol**

Parliament has passed the Industries (Development and Regulation) Amendment Bill, 2015. The Bill seeks to amend the Industries (Development and Regulation) Act, 1951 that provides for development and regulation of certain industries.

#### **Uma Bharti Launched Rural Sanitation Initiatives For Ganga Rejuvenation In Jharkhand**

Union Minister for Water Resources, River Development and Ganga Rejuvenation Uma Bharti launched nine projects for rural sanitation initiatives under Namami Gange Programme for the conservation of river Ganga in Sahibganj, Jharkhand.

#### **Sulabh Group To Set Up Hybrid Toilet Complex In Nine Odisha Cities**

The Odisha Government has signed a memorandum of understanding (MoU) with Sulabh International Social Service Organisation (SISSO) for construction and maintenance of 'hybrid toilet complexes' in its nine cities.

#### **EC to send Meghdoot postcards to 3 lakh voters in Puducherry**

Election Commission will be sending out 'Meghdoot' postcards to three lakh voters requesting them to cast their votes in the May 16 Assembly polls in the Union Territory.

#### **India's Single Emergency Number '112' To Be Active From Jan 1, 2017**

The single emergency number '112' will be operational throughout India from January 1, 2017 to help people reach immediate services of police, ambulance and fire department.

#### **Those Who Smoke, Drink Can't Vote In SGPC Polls**

President Pranab Mukherjee has given his approval to the Sikh Gurdwaras (Amendment) Act, 2016, which alters provisions of a 91-year-old law that regulated the administration of gurdwaras in Chandigarh, Haryana, Himachal Pradesh and Punjab.

#### **HAL hands over Kumudvathi River rejuvenation project**

Defence public sector Hindustan Aeronautics Limited (HAL) has handed over the Kumudvathi River rejuvenation project to the village panchayats of Nelamangala Taluk of Bengaluru rural district.

#### **Kalraj Mishra Inaugurates Khadi Center in Srinagar**

Union Minister for Micro, Small and Medium Enterprises (MSME) Kalraj Mishra inaugurated the Harmukh Khadi Gram Udyog Sansthan, a spinning and weaving centre and marketing plaza for khadi goods at a function in Srinagar.

#### **Bharat Darshan train to cover major pilgrim spots**

Indian Railway has launched the Bharat Darshan Tourist train for pilgrims to visit Shirdi, Tirupati, Jagannath Puri, Gangasagar, Baidyanath Dham and Jyotirlingams among others.

#### **Govt. Releases Rs 9,367 cr Under MGNREGA to Drought-Hit States**

Centre has released 9,367 crores to drought-hit States under Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) in 2016-17. The government has also relaxed norms under MGNREGA to provide additional employment of 50 days per household over and above the 100 days in areas affected by natural calamities during 2015-16.

#### **Asia's first Rice Technology Park To Come Up In Gangavati**

The Karnataka State government has decided to go ahead with the establishment of Asia's first Rice Technology Park at Gangavati in Koppal district and a Maize Technology Park at Ranebennur in Haveri district on the public-private participation model as a one-stop solution to all problems of rice and maize growers.

#### **Commerce Ministry Launches Web-Based Dashboard for Export, Import Data**

As part of the initiative of the Ministry of Commerce & Industry to provide easy access to the public on export and import trends of India the Minister of State for Commerce & Industry, Nirmala Sitharaman launched a dashboard on EXIM Analytics. It would facilitate the general public to have an accurate perspective on the facts around the trade performance of India.

**Govt has approved two highway projects worth Rs 4,300 crore**

The Government has given approval to two highway projects worth around Rs 4,300 crore. The Cabinet Committee on Economic Affairs (CCEA) has provided the approval to four-laning of the Lucknow-Sultanpur section on National Highway-56 in Uttar Pradesh at an estimated cost of Rs 2844.72 crore.

**Projects worth Rs. 2,446 crore approved under Namami Gange programme**

Giving a major fillip to Namami Gange programme the Empowered Steering Committee (ESC) of the National Ganga River Basin Authority (NGRBA) has approved projects for Development of Ghats. The total estimated cost of the projects is Rs. 2446 crore.

**Govt. to fund 132 irrigation projects in Maharashtra**

In a big relief to drought-hit Maharashtra, the Union ministry of water resources agreed to fund 132 incomplete irrigation projects worth Rs.7,188 crore in 14 districts.

**Environment ministry clears only 17% proposals for defence projects on forest land**

The Union environment ministry has given its final clearance to only 17% of the 48 proposals it received for providing forest land for defence projects across India, starting January 2014.

**Piyush Goyal to unveil portal on payment to contract workers**

Coal and Power Minister Piyush Goyal introduced a new portal for Contract Labour Payment Management System. According to officials, the portal provides access to all contract workers, through a Workers Identification Number (WIN), to view their personal details and payment status.

**Parliament passes Mines and Minerals Amendment Bill, 2016**

The Parliament has passed Mines and Minerals (Development and Regulation) Amendment Bill, 2016. The bill will allow transfer of captive mines from one allottee to another without auction. This will enable banks and financial institutions to sell stressed assets to recover debts.

**Punjab Govt. Proposes To Develop 200 Smart Villages In 2016-17**

Government of Punjab has proposed to develop 200 smart villages during the current financial year 2016-17 which will be provided with ultra-modern facilities like 4G connectivity, solar street lights, sewa Kendra's, sewerage and drainage facilities, bank branch and model school.

**Real Estate (Regulation and Development) Act, 2016 comes Into force**

Real Estate (Regulation and Development) Act came into force. The Act is all set to promote the growth of real estate sector in an environment of trust, confidence, credible transactions and efficient and time bound execution of projects.

**EPFO launches One Employee-One EPF Account drive**

Employees' Provident Fund Organisation (EPFO) has launched a



special drive 'One Employee-One EPF' to encourage EPF members to consolidate their multiple accounts. It is a step towards encouraging EPF members to access enhanced IT enabled services through Universal

Account Number that are linked with Aadhaar.

**South India's first Underground Metro Services Flagged Off In Bengaluru**

In Bengaluru, South India's first underground metro services flagged off at East-West corridor (Purple Line) of BMRC (Bangalore Metro Rail Corporation Limited).

**PM Modi launches country's 1st solar-powered e-boats in Varanasi**

Prime Minister Narendra Modi has launched the country's first solar powered e-boats at the Assi Ghat in the river Ganga, Varanasi. The initiative is aimed at reducing pollution and keeping the Ganga river clean.

**Railway Ministry to Set Up Two New Directorates**

The Railway Ministry has decided to set up 2 new Directorates tasked with increasing the speed of trains and boosting non-fare revenues and advertisement. The first Directorate will identify and prioritise train corridors for raising the speed of trains and the second Directorate will raise revenues by advertising along the tracks and at stations by radio, video, internet, Wi-Fi, mobile apps and interactive services.

**Centre approves Rs.9,005 Cr. investment for affordable housing in three states**

The government of India has approved an investment of Rs.9,005 crores for construction of 73,205 more houses for Economically Weaker Sections (EWS) in urban under Prime Minister's Awas Yojana (PMAY) in the States of Maharashtra, Punjab and Jammu & Kashmir.

**EC Launches Mobile App For Kerala Assembly Polls**

The Election Commission has launched an innovative mobile application titled e-voter with comprehensive details about the forthcoming Assembly polls in Kerala. The app is envisaged for voters' facilitation for search in electoral roll, the location of the polling station, information regarding candidates, affidavit filed by them, filing of complaint and so on.

**First time direct tax details published by CBDT**

First time in the history, a total of 84 page data has been released and put in the public domain, as the Central Board of Direct Taxes (CBDT) has published direct tax related data including income disclosed in tax returns by various categories of tax player from 2000 to 2015.

**Govt. Plans To Keep 1% Of Highways Project Cost For Road Safety**

Giving highest priority to road safety, the government is planning to make it mandatory to set aside 1% of the total cost of any highway project for the purpose. This money will be used for road safety issues that include fixing accidental spots, installing cameras, lights and on other such issues.

**Cabinet gives ex-post facto approval for MOU between IRDAI and Insurance Authority, UAE**

The Union Cabinet chaired by the Prime Minister Narendra Modi has given its ex-post facto approval for the Memorandum of Understanding (MoU) between Insurance Regulatory and Development Authority of India (IRDAI) and the Insurance Authority of United Arab Emirates.

**DoNER to invest Rs. 33,000 crores in NE states for skill development**

The Development of North Eastern Region (DoNER) Ministry will invest Rs 33,000 crores for development of the north-eastern states during the current fiscal.

**Dr. Jitendra Singh Launches Cancer Care Campaign In North-east**

Union Minister of State (Independent Charge) for Development of North Eastern Region (DoNER), Dr. Jitendra Singh launched in Shillong, the capital of Meghalaya the first of its kind, weeklong Cancer Care campaign in Northeast under the supervision of North Eastern Council (NEC) - Pink Chain Cancer Conclave 2016.

**Union Cabinet approves MoU between India and Papua New Guinea**

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has given its approval for signing an MoU between India and

Papua New Guinea on the cooperation in the field of Healthcare and Medical Science.

**India Banned Import Of milk, Some Mobile Phones from China**

India has banned the import of milk and milk products, certain mobile phones and a few other items from China after finding them sub-standard or not following security codes.

**Union Tourism Ministry launches NMA's NOAPS web portal**

Culture Minister Mahesh Sharma launched National Monuments Authority Web Portal called NOC Online Application and Processing System (NOAPS). This web portal will provide single window clearance for applicants to get no-objection certificates (NoC) within six working days for construction-related works near the 3,686 protected monuments in the country.

**Patanjali to invest Rs 1,150 crore in 2017**

Patanjali Ayurved, which is a Fast-moving consumer goods (FMCG) venture promoted by yoga guru Ramdev will be investing over Rs 1,150 crore in the current fiscal for setting up six processing units and one Research and development (R&D) center as it follows a turnover of Rs 10,000 crore this year.

**Union Railway Ministry to set up Rs. 1 lakh crore Rashtriya Rail Sanraksha Kosh**

The Union Railway Ministry has decided to create a 1 lakh crore rupees safety fund named as Rashtriya Rail Sanraksha Kosh (RRSK) to strengthen safety measures on the rail network to prevent accidents.

**Parliament passes Sikh Gurdwaras (Amendment) Bill, 2016**

Parliament of India has passed a bill to amend a 91-year-old law to exclude Sahajdharis from voting in the elections to Sikh religious bodies, fulfilling a long-pending demand of the community ahead of assembly elections in Punjab next year.

**Government Hikes Minimum Wage For Contract Workers To Rs 10,000**

The Minister of State for Labour and Employment Bandaru Dattatreya informed that the minimum wage for contract workers has been increased to Rs 10,000 per month at the national level taking into consideration the Consumer Price Index and Dearness Allowance as per the Supreme court verdict.

**NPCIL clears insurance for reactors**

The Nuclear Power Corporation of India Limited (NPCIL) has cleared the insurance policy for all 21 nuclear reactors in India.

The NPCIL also finalised the insurance policy for suppliers. Under a 2010 law, NPCIL can seek damages from suppliers in case of accidents.

#### **Rs. 1000 Crore Agri-Plastic Park in Vijayawada Soon**

Andhra Pradesh will have another Central Institute of Plastic Engineering and Technology (CIPET) to train 5,000 plastic engineers and technicians every year and it will be set up in Anantapur district.

#### **Govt. Notifies New Rules To Improve SC/ST Act on Ambedkar Jayanti**

Union Government has notified new rules to improve the Schedule Castes and Schedule Tribes Act also known as Preventions of Atrocities Act. The notification has been issued by the government on the birth anniversary of Dr. Bhimrao Ramji Ambedkar, popularly known as Babasaheb.

#### **Finance Ministry Sets up sub-panel on excise duty on jewelry**

The ministry of finance (MoF) formed a sub-committee to be headed by former Chief Economic Adviser Ashok Lahiri panel to interact with the trade and industry on the imposition of central Excise duty on jewelry.

It posts to the Jat, Jat Sikhs, Ror, Bishnoi, Tyagi, Mulla Jat or Muslim Jat in Schedule III.

#### **Odisha CM launches 100 piped water supply projects**

The chief minister of Odisha Naveen Patnaik dedicated to the people 100 piped water supply projects for rural areas and promise to make piped water provision in all gram panchayats by 2017.

#### **Nagaland's capital Kohima declared 'smoke-free city'**

Nagaland capital Kohima has been declared as a 'smoke-free city'. The official declaration was made by the Deputy Commissioner of Kohima, Rovilatuo Mor during the campaign for Smoke-Free Kohima City.

#### **Gujarat Announces 10% Quota For Economically Backward**

The Gujarat Government announced a new 10% quota in government jobs and colleges for economically backward sections (EBS) of the society for all non-reserved castes.

#### **J&K Cabinet approves 5% interest subsidy for flood-hit traders**

Jammu and Kashmir govt. has approved 5% interest subsidy to flood-hit traders with effect from 1st April this year. The subsidy will have a cap of 5 lakh rupees per affected business unit for a period of four years.

## STATES IN NEWS

#### **Rajasthan To Be 1st State To Issue Ads To Appoint Vice-Chancellors**

Vice-chancellors for universities in Rajasthan will now be handpicked by a selection committee which will invite applications through newspaper advertisements. The new arrangement will replace the existing convention riddled with delays and allegations of political favoritism of direct appointment of V-Cs.

#### **Drought declared In Over 29,000 Villages In Maharashtra**



Maharashtra government has declared drought in over 29000 villages of the state, most of them in parched Marathwada and Vidarbha regions.

#### **Haryana Backward Classes Act 2016 Notified**

Haryana Government has notified the Haryana Backward Classes (Reservation in Services and Admission in Educational Institutions) Act 2016. The Act provides 10% reservation in service for Class III and IV posts and six percent reservation in Class I and

#### **National Food Security Act Launched In Manipur**

Manipur Chief Minister Okram Ibobi Singh declared that the National Food Security Act has been implemented the state. The state government has also stated that as per the Act one kg of rice would be made available at Rs 3 per kg to the beneficiaries.

#### **MP Tourism Wins 'Best Indian Destination For Wildlife' Award**

Madhya Pradesh Tourism (MPT) has received the "Best Indian Destination for Wildlife" award by the Lonely Planet Group.

#### **Chhattisgarh Relaxes Labour Laws, Will Benefit MSMEs**

The micro, small and medium enterprises (MSMEs) in Chhattisgarh will get respite from the regular inspections conducted by the competent authorities in the facility. The state government has relaxed the labour law that will help MSMEs to avoid regular inspection from labour department officials.

#### **Gujarat Govt. Accords Minority Status To Jain Community**

Gujarat Government has granted minority status to the Jain community after issuing a resolution for same. This will be

benefiting the poor among Jain community as they will be eligible for many scholarships and welfare schemes.

#### **Telangana Govt to Set Up Monkey Rescue And Rehab**

Telangana government issued orders for setting up a 'Monkey Rescue and Rehabilitation Centre' in Nirmal area of Adilabad district with an investment of Rs 2.21 crore. This rehabilitation centre will be established as a pilot project at Chincholi, Hyderabad.

#### **BHEL Commissions 500 MW Thermal Power Unit In Jharkhand**

State-run Bharat Heavy Electricals Ltd announced the commissioning of a 500 Mw thermal unit in Jharkhand. The unit has been commissioned at Bokaro Thermal Power Station.

#### **Centre to relax PMGSY norms in Arunachal**

Union Rural Development Minister Birender Singh has agreed to relax the norms in Pradhan Mantri Gram Sadak Yojana (PMGSY) to boost rural road connectivity in Arunachal Pradesh.

#### **Wi-Fi Service at Vijayawada, Kachiguda, Raipur rail stations**

Union Railway Minister Suresh Prabhu has launched the Google's free Wi-Fi service facility through video conferencing from Rail Bhawan in New Delhi. Expanding the high-speed Internet network facility, this Wi-Fi service at Vijayawada, Andhra Pradesh, Kachiguda, Hyderabad, Raipur, Chhattisgarh) stations.

#### **BHEL Commissions 600 MW Thermal Power Plant In Madhya Pradesh**

State-run Bharat Heavy Electricals Ltd (BHEL) has commissioned 600 MW coal-based thermal power plant in Madhya Pradesh. The unit was commissioned at the 1x600 MW Jhabua Thermal Power Project (TPP) located in Seoni district in Madhya Pradesh.

#### **Haryana to give financial assistance to MSMEs for patents**

Haryana government has launched a scheme to grant financial assistance of up to Rs. 25 lakh to micro, small and medium enterprises (MSME) for registration of patents for products and processes.

#### **Online App For Tribal Caste Validity Certificate In Maharashtra**

The portal named [etribalvalidity.mahaonline@gov.in](mailto:etribalvalidity.mahaonline@gov.in) has been launched by Maharashtra Governor Chennamaneni Vidyasagar Rao. This initiative will make the entire process of securing caste validity certificate transparent, fast and easy.

#### **BHEL commissioned 600 MW thermal power plant in Madhya Pradesh**

Bharat Heavy Electricals Limited (BHEL) commissioned 600 megawatts (MW) coal-based thermal power plant located in Seoni district in Madhya Pradesh.

#### **Madhya Pradesh High Court terms reservation in promotions in the State as unconstitutional**

The MP High Court termed reservation in promotions in the state as unconstitutional. The division bench was chaired by Chief Justice AM Khanwilkar.

#### **Maharashtra Government launched Adi Praman, online app for tribal caste validity certificate**

Maharashtra Governor C Vidyasagar Rao launched Adi Praman, a web-based application. With this, Maharashtra became the first state to provide caste validity certificates online. Adi Praman enables Maharashtra's tribal population to get the caste validity certificates online.

#### **First in South India, underground corridor of Namma Metro inaugurated**

Union Urban Development Minister Venkaiah Naidu and Karnataka Chief Minister Siddaramaiah inaugurated the underground corridor of Bangalore Metro Rail. Bangalore Metro Rail is also known as Namma Metro.

#### **Gujarat government announced 10 percent reservation for EBCs in general category**

Gujarat government announced 10 percent reservation for economically backward classes (EBCs) in general category. EBCs in the upper castes, include Patidars, with a family income cap of 6 lakh rupees a year that is 50000 rupees per month can avail the benefit.

#### **Maharashtra Government rose jail term up to 5 yrs for chain snatchers**

The Maharashtra government decided to increase the punishment for chain snatching up to 5 years of rigorous imprisonment along with a fine of 25000 rupees.

#### **Fire destroyed Delhi's National Museum of Natural History**

A massive fire destroyed the National Museum of Natural History located in New Delhi. The cause of fire is still unknown though the fire spread because of museum specimens and the wood work holding them.

**Madhya Pradesh, ICMR and Sun Pharma joined hands for research in preventive health**

Government of Madhya Pradesh, Indian Council of Medical Research (ICMR) and Sun Pharma entered into an agreement for research and innovation in preventive health.

**Andhra Pradesh CM inaugurated interim Secretariat complex in Amaravati**

Andhra Pradesh Chief Minister N Chandrababu Naidu formally inaugurated the state's interim government complex named AP Government Transitional Headquarters at Velagapudi village in capital region Amaravati.

**Indian Oil Rural Eye Health Center Opened At Lypch**

Union Petroleum and Natural Gas Minister Dharmendra Pradhan inaugurated the Indian Oil-LVPEI Centre for Rural Eye Health (CREH) at the LV Prasad Eye Hospital premises. The Indian Oil Corporation Ltd had provided an assistance of Rs. 2 crores, as part of CSR contribution, to the LVPEI to establish the eye centre.

**MMTC festival of gold returns on the occasion of akshay trithiya**

MMTC's grand exhibition-cum-sale of jewellery and bullion products, the Festival of Gold, has returned this Akshay Trithiya to fulfill popular demand of Delhiites.

**HDFC Ltd to raise rs1,360 cr via private placement of NCDS**

Country's largest mortgage lender HDFC Ltd said it will raise Rs1,360 crore by issuing debentures on a private placement basis.

**HDFC bank plans to raise 50,000 cr through bonds**

Private sector lender HDFC Bank said it plans to raise Rs. 50,000 crore through bonds over one year to fund business growth.

**DBS Bank to set up new technology hub in Hyderabad**

Singapore based DBS Bank has decided to set up its biggest technology hub out of its headquarter. The bank has appointed Mr. Mohit Kapoor as the head of its Technology Development Centre in Hyderabad.

**RBI authorises 29 agency banks to accept payments of I-T dues**

RBI has authorised 29 agency banks to accept payments of Income Tax dues. Some of the agency banks authorized by RBI to collect tax include Allahabad Bank, UCO Bank, Bank of India, Canara Bank, State Bank of India and its five associate banks, Central Bank of India, Dena Bank, HDFC Bank Ltd, Oriental Bank of Commerce, Axis Bank Ltd, ICICI Bank and Punjab National Bank.

**India Post Goes High-Tech, Geo-Tags Post Offices On Bhuvan**

The postal department of India, India Post is going high tech by geo tagging the post office on Bhuvan and has begun monitoring timely clearance of the letter boxes through a mobile app. The portal is developed by Indian Space Research Organisation (ISRO) and will help to provide visualization services and earth observation data to users in public domain.

**RBI issues norms for prior approval of branch offices by foreign entities in India**

The Reserve Bank of India has stated that entities from Pakistan, China, Bangladesh, Sri Lanka, Afghanistan, Iran and Hong Kong or Macau will require its prior approval to establish branch office or project office or liaison office in India.

## BANKS IN NEWS

**Nepal SBI Bank launches payment gateway**

Himalayan nation 'Nepal' and India.

One of the largest overseas subsidiaries of SBI, Nepal SBI Bank has launched payment gateway to facilitate online trade and non-trade transactions between the

**RBS confirms exit retail banking operations in India**

The Royal Bank of Scotland has confirmed its exit from retail banking operations in India. The bank is having 10 branches in India which employ 650 people.

**PNB tops list of worst losses in Indian banking history**

Public sector lender Punjab National Bank has reported the largest net loss of Rs. 5,367.14 crore for 4th quarter ended 31st of March against the backdrop of a surge in bad loans. This is the biggest quarterly loss in Indian bank history.

**RBI Fixes Foreign Holding At 49% In Ujjivan Financial**

Reserve Bank on Monday said the aggregate ceiling for foreign investors to invest in Ujjivan Financial Services will remain at 49 per cent.

**ICICI launches country's 1st contactless credit card for SMEs**

ICICI Bank, a private sector lender has launched the country's first contactless business credit card in association with Jet Airways for small and mid-sized enterprises (SMEs) and their employees.

**RBI cancels licence of 4 NBFCs and 7 other surrender licence**

The Reserve Bank Of India (RBI) has cancelled the certificate of registration of the four Non-Banking Financial Companies (NBFCs) and seven other Maharashtra-based non-banking financial companies (NBFCs) have surrendered their registration certificates.

**Saraswat Bank donates Rs 1 cr relief for drought in Maharashtra**

The Country's largest urban co-operative bank, Saraswat bank has announced the donation of rs. 1 crore for drought relief in Maharashtra.

**South Indian Bank announces tie-up with National Australia Bank**

Kerala based South Indian Bank has announced a tie-up with National Australian Bank (NAB) for online inward remittances from Australia at a competitive rate.

**YES Bank gets SEBI nod to provide custodian services**

India's fifth largest Private sector lender Yes Bank has received a 'Custodian of Securities' licence from the markets regulator SEBI to allow the entity to offer custodial services to financial market participants, including FIIs and foreign portfolio investors (FPIs).

**ICICI first Indian bank to partner with New Development Bank**

ICICI bank has become the first financial institution in the country to tie up with the New Development Bank to explore opportunities around bond issuance, co-financing, treasury management and human resources.

**Zimbabwe to print own version of US dollar**

Zimbabwe is all set to introduce its own version of US dollars in order to ease a cash shortage in the country. The governor of the Reserve Bank of Zimbabwe, John Mangudya has stated that the bank will introduce the note of \$2, \$5, \$10, and \$20.

**SBI launches card-less payment solution for offline transactions**

The country's largest bank, State Bank Of India has launched a mobile payment solution that will enable customers to make digital payments at offline stores by scanning a QR (quick response) code on their smartphones at merchant outlets.

**Cabinet Approves Currency Swap Deal With UAE**

The Union Cabinet has given its approval to the memorandum of understanding (MoU) between the Reserve Bank and the Central Bank of United Arab Emirates (UAE) on co-operation on currency swap agreement.

**Wilful defaulters owe Rs 66,000 cr to govt banks**

The Minister of state for Finance Jayant Sinha has stated that there were 7,686 wilful defaulters owing Rs 66,190 crore to state-owned banks as of December 2015.

**Kotak Mahindra Bank opens IFSC banking unit at GIFT City**

Kotak Mahindra Bank Ltd became the fourth bank to open its IFSC Banking Unit (IBU) at International Financial Services Centre (IFSC) in Gujarat International Finance Tec-City (GIFT) City. IFSC is the India's first and only financial centre.

**Kotak Mahindra surpasses ICICI Bank in m-cap**

Kotak Mahindra Bank has surpassed ICICI Bank to emerge as the third most valued lender in the country. The market capitalisation (m-cap) of the bank stood at rs. 1,29,963.14 crore as against ICICI Bank's m-cap of rs. 1,28,718.22 crore.

**IREDA may be converted into a Green Bank**

IREDA, the state run Indian Renewable Energy Development Agency can be converted into a Green Bank to enable its access funding from overseas banks. After conversion into Green Bank, it would be entitled to avail of certain benefits supported by the Union Power Ministry.

**Bitcoin creator confirms identity as Australian Craig Wright**

Australian entrepreneur Craig Wright has publicly identified himself as Bitcoin creator 'Satoshi Nakamoto'. He confirmed that he created digital payment system bitcoins and provided technical proof for his claims. Bitcoin is the 1st decentralized digital currency.

**SIDBI signs MoU with Saarc Development Fund**

Small Industries Development Bank of India (SIDBI) and Saarc Development Fund (SDF) has signed a Memorandum of Understanding (MOU) for mutual cooperation and collaboration.

**DBS Bank launches 'mobile-only bank' in India**

The Singapore's largest bank, DBS has unveiled the 'mobile only bank' in India. The 'digibank' uses technologies, such as biometrics and artificial intelligence, to enable paperless, signature less and branch less bank.

**RBI to issue Rs. 1000 banknotes with inset letter 'R'**

As per the Reserve Bank Of India it will shortly issue rupees 1,000 denomination bank notes in the Mahatma Gandhi Series of 2005 with the insert letter of 'R' in both the number panels.

These banknotes will also have the year of printing '2016' printed on the reverse.

## ECONOMY NEWS

### Govt. approves Three Pharma FDI Proposals worth Rs. 60.73 crores

The Foreign Investment Promotion Board (FIPB) has approved Rs.60.73 crore worth of foreign direct investment (FDI) proposals of Wockhardt, Aurobindo Pharma and Advanced Enzyme Technologies.

### India To Clock 7.4% GDP Growth This Fiscal, Says Stanchart

The Indian economy is expected to clock a GDP growth of 7.4 per cent this fiscal largely driven by the lagged impact of a good monsoon and increased consumer spending, supported by pay commission awards.

### Wholesale inflation reverses gear, ticks up to 0.34% in April

Costlier food items like pulses, potato and sugar pushed up WPI inflation for April into the positive zone for the first time in 18 months to 0.34 per cent even as the industry sharpened its pitch for a rate cut, saying the price rise is within the targeted level.

### Dividend tax only on dividend income above Rs.10 lakh

As per an amendment to the Finance Bill 2016 approved by Lok Sabha, new 10 per cent Dividend Tax will be payable only on dividend income over and above Rs. 10 lakh threshold in a year.

### World Bank approves \$625 m loan to support rooftop solar programme in India

The World Bank's Board has approved USD 625 million loan to support the central government's programme to generate electricity from rooftop solar power plants.

### Telecom Firms Cannot Be Fined For Call Drops

The Supreme Court (SC) has ruled that Telecom companies will not compensate mobile phone users for the inconvenience caused by call drops as service provider alone cannot be blamed for call drops. A bench headed by Justices Kurian Joseph and R F Nariman termed Trai's rule "arbitrary, illegal and unreasonable".

### 100% FDI through Automatic Route permitted in Asset Reconstruction Companies

The Department of Industrial Policy & Promotion (DIPP) under Union Ministry of Commerce & Industry has allowed 100 per cent

foreign direct investment (FDI) in asset reconstruction companies (ARCs) under the automatic route.

### 55,669 villages To Have Mobile Connectivity By 2019

Government plans to provide mobile connectivity in 55,669 villages by March 2019 in a phased manner. It will also commission a project to connect 8,621 villages in the north-eastern region by installing 321 mobile tower sites by September 2017.

### NSE to launch new exchange for MSME

NSE, the national stock exchange is all set to launch a new trade receivable and credit exchange platform for micro, small and medium enterprises (MSMEs). This new exchange will help MSMEs to file their bill against large companies, which can be accepted electronically and auctioned so that these small enterprises are paid immediately.

### Government to sell its 11.36% stake in NHPC



The Government of India has started the disinvestment process of the current fiscal as the GOI has planned to sell its 11.36% equity shares in the National Hydroelectric Power Corporation (NHPC) at Rs.21.75.

## BUSINESS NEWS

### Nokia name to return to mobile phones after licensing deal

Finland-based companies, Nokia and HMD Global Oy (HMD) has signed a 10-year licensing deal to market Nokia-branded phones and tablets. As per this deal, Nokia will receive royalty payments from HMD.

### Tata Power bags 100 mw solar projects in Karnataka

A subsidiary of Tata Power, Tata Power Renewable Energy (TPREL) has announced that it has won two solar-grid connected photovoltaic projects of 50 mw capacity each in Pavagada Solar Park in the Tumkur district of Karnataka.

### Tata comm to sell 74% stake in data centre biz to st telemedia for rs3,150 cr

Tata Communications Ltd reported sale of 74 per cent stake in its data centre business in India and Singapore to ST Telemedia for about Rs3,150 crore to pare debt and fund expansion.

**US Senate nominates Pio Swati Dandekar as ADB Director**

Indian-American politician Swati Dandekar has been nominated by the US Senate to the post of Executive Director to the Asian Development Bank which has ambassadorial rank.

**Ratan Tata Invests In Medical Firm Murgency**

Tata Sons Chairman Emeritus Ratan Tata has invested in San Francisco-based medical emergency response startup Murgency Inc.

**Pfizer To Acquire Anacor Pharmaceuticals For \$5.2 Bn**

Drug major Pfizer Inc will acquire biopharmaceutical firm Anacor Pharmaceuticals for around \$5.2 billion in an all-cash deal.

**World's 'Biggest' Budget Airline Alliance Takes Off**

Eight budget airlines from Southeast Asia, Japan and Australia have formed what they called the world's largest alliance of low-cost carriers, enabling customers to book connections using a shared platform.

**Snapdeal Acquires Customer Personalisation Firm Targetingmantra**

Snapdeal has acquired Targeting Mantra, a move that will help the ecommerce major enhance personalisation of shopping experience of customers. However, the acquisition amount was not disclosed by Snapdeal.

**Nsdc, Dalmia Bharat Sign Pact For Skill Training To 60k In 10 Yrs**

National Skill Development Corporation (NSDC) and Dalmia Bharat Foundation signed an agreement to impart vocational and skill training to 60,000 unemployed youth over the next 10 years across the country. Under the 10-year agreement, vocational training will be imparted to benefit the country's youth across various sectors like apparel, beauty & wellness, retail, auto, healthcare, construction, agriculture, etc.

**Wipro, Partners Inaugurate Saudi Arabia's First All-Women Biz Park**

IT major Wipro, along with Saudi Aramco and Princess Nourah University (PNU) inaugurated Saudi Arabia's first all women business and technology park (WBP), which is expected to create nearly 21,000 jobs by 2025.

**Nandan Nilekani Invests In RailYatri**

Infosys co-founder Nandan Nilekani has invested an undisclosed amount in train travel app, RailYatri.In.

**Apple announces opening of its map development centre in Hyderabad**

Apple CEO Tim Cook, who is currently on visit to India has announced the opening of its Hyderabad technology centre that will focus on the development of maps for its mobile products like iPhones, iPads, Macs and Apple Watches. The centre which has drawn in estimated investment of \$25 million will employ up to 4,000 people according to the company.

**Nomura exits mutual fund JV with LIC**

The Japanese financial company Nomura has announced fully departure of its mutual fund joint venture with insurance giant Life Insurance Corporation of India (LIC). As a result, LIC Nomura Mutual Fund has now been renamed LIC Mutual Fund.

**Honda partners with IndusInd Bank for two wheeler financing**

The country's 2nd largest giant in two wheeler section, Honda Motorcycle and a Scooter India (HMSI) has signed a Memorandum of Understanding with IndusInd Bank to offer retail finance to buyers at an attractive rate of interest on all Honda 2 Wheeler models.

**Compat sets aside Rs 1,773 crore penalty on Coal India**

The Competition Appellate Tribunal (Compat) has set aside a 2013 order of Competition Commission of India (CCI) imposing a penalty of Rs. 1,773-crore on Coal India for unfair business ways.

**Pfizer to buy Anacor Pharma in \$5.2 bn deal**

Pfizer Inc will buy Anacor Pharmaceuticals Inc in a \$5.2-billion (£3.61 billion). This deal comes just after a month when US drug major scrapped plans to acquire Allergan Plc.

**BHEL wins Rs 1,600-cr order from the joint venture of NTPC and SAIL**

Bharat Heavy Electrical Limited (BHEL), a state run engineering firm has won Rs. 1,600 crore order from a joint venture company of National Thermal Power Corporation Limited (NTPC) and Steel Authority of India Limited (SAIL) to set up a coal based thermal power project in Odisha.

**Piramal to buy four Pfizer brands for Rs 110 cr**

Piramal Enterprises is all set to acquire four brand from multinational drugmaker company Pfizer Ltd namely- Neko Soap, Sloans, Ferradol and Waterbury's Compound for Rs. 110 crores to strengthen its presence in the consumer products segment.

**Reliance Jio Infocomm launches digital wallet**

Mukesh Ambani-owned Reliance Jio Infocomm has launched its digital wallet service, called as JioMoney Wallet, for Indian consumers, following the introduction of 4G services to the public through an employee-driven invite system.

**FPL ties up with Nokero to launch off grid solar products**

FPL, a Chennai based company has partnered with 'Nokero' to launch off-grid solar products and soon plans to manufacture these products in India.

**Amazon launches its online video service**

E commerce company, Amazon has launched its online video service, called Amazon Video Direct. This facility will facilitate the users by allowing to post clips on its website and earn through advertising, royalties and other sources.

**GMR Infra sells 30% in energy arm to Tenaga for rs. 2,000 crores**

Bengaluru based GMR Infrastructure is selling a 30 % equity stake in its subsidiary GMR Energy Ltd (GEL) to Malaysia's Tenaga Nasional Berhad for Rs. 2,000 crore (\$300 million). Tenaga Nasional is the Malaysia's largest power utility.

**Snapdeal app to provide UrbanClap services**

Snapdeal has tied up with UrbanClap to provide over 80 personal and home services on the online retailer's Android app. The services include general fitness, yoga, beauty care and salon services at home among others.

**Knowlarity acquires customer engagement platform Smartwards**

Asia's leading cloud telephony company, Knowlarity Communications has announced the acquisition of Delhi-based Smartwards, a customer engagement platform that simplifies loyalty for local businesses and their customers.

**IRCTC to sell Kashmiri cuisine and handicrafts**

The Indian Railway is planning to facilitate sale of Kashmiri cuisine, dry fruits, artifacts and other local products through the Indian Railway Catering and Tourism Corporation (IRCTC) portal.

**Jaguar Land Rover partners firm to build phones**

England automative brand Jaguar Land Rover Ltd and a subsidiary of Indian automaker Tata Motors, has tied up with UK-based Bullitt Group to develop mobile devices and a range of accessories under its brand.

**GOI starts UBIN drive for budding entrepreneurs**

The Government of India has started the process for issuance by Unique Business Identification Number (UBIN) drive. It will help enable budding entrepreneurs to set up their business without any delays as it produce results well within targeted time and its no longer business as usual in India.

**Union government approves proposal of Infosys to set up IT SEZ**

The Union government has approved the proposal of Infosys to set up an IT/ITeS special economic zone (SEZ) in Bengaluru in an area spread over 4 hectares.

**Facebook and NASSCOM sign MoU to Support Start-Ups**

Facebook and the trade body of Indian IT firms 'National Association of Software and Services Companies (NASSCOM)' has



signed an agreement to build a product design initiative to engage the country's young entrepreneurs into becoming problem solvers and solution builders.

**Flipkart to launch its own map services**

The e-commerce giant Flipkart has partnered with a Bengaluru based social technology company 'MapUnity' to launch its map services. The network will cover the 126 cities including those chosen in the 'Smart Cities' mission.

**CarDekho acquires virtual reality startup Volob Technologies**

Jaipur-based Girnar Software Pvt. Ltd, which owns and operates online portals CarDekho.com, Gaadi.com and Zigwheels.com, has acquired Volob Technologies, a virtual reality start-up, in an all-cash deal.

**Startup India boost: IIM-Bangalore to launch incubator for early stage non-profits**

The Indian Institute of Management Bangalore is launching a first-of-its-kind startup incubator with support from the Michael and Susan Dell Foundation exclusively to nurture early-stage nonprofit organisations working primarily in education, financial inclusion, and jobs and livelihoods for the urban poor.

**Jindal Brothers Sign Rs 6,500 Crore Power Deal**

JSW Energy Ltd, led by Mr. Sajjan Jindal has agreed to buy a 1,000 MW power plant of Jindal Steel and Power Ltd's (JSPL), which is located in Chhattisgarh. The total value of the deal is Rs. 6,500 crore.

**Uber ties up with Alipay globally**

Uber, the online cab service provider has announced its global partnership with the third party payment platform, Alipay. With the help of this partnership, Uber will be able to provide its service in more than 400 cities globally.

**Google acquires start-up by Indian-origin businessman**

An American multinational technology company, Google has acquired a business technology start-up 'Synergise' founded by an Indian-origin entrepreneur as part of its plans to scale training offerings for Google Apps to its customers and customers' users.

**Paytm ties up with Wipro for payments bank**

Paytm, India's largest mobile payments has partnered with the Wipro Ltd, a IT services major, to implement technology infrastructure for its upcoming Payment bank business. As per this deal, Wipro will provide the core banking solution like the anti-money laundering solution and regulatory reporting solution for Paytm.

**Airtel and GBI announce partnership for West Asia**

Airtel, the enterprise arm of Bharti Airtel and networking player GBI has announced the partnership to increase its direct reach in West Asian countries. Currently, the Airtel Global network is spanning across 50 countries of 5 continents.

**Government approves BPCL's Rs. 3000 cr investment in Bharat Oman Refineries Ltd**

The Union Cabinet chaired by PM Narendra Modi has given its approval to state owned Bharat Petroleum Corporation Limited (BPCL) to invest Rs. 3,000 in Bharat Oman Refineries Limited (BORL). As BORL is planning for capacity expansion in BORL's refinery in Bina, Madhya Pradesh.

**Comcast to buy DreamWorks Animation for \$3.8 billion**

Comcast, the parent company of Universal Pictures has announced that it is going to buy the DreamWorks Animation for \$3.8 billion in cash. The deal will put Comcast in direct competition with Disney.

**Experian has launched the fraud detection mechanism**

The Global data services company, Experian, headquarter in Dublin, Ireland, has launched its 'Hunter Fraud Score' in India, which is a new scoring mechanism. The mechanism will help to measure the probability of fraud in a credit application across

banking and insurance industries. It will help the country to increase their efficiency in fraud detection.

**Isuzu opens manufacturing plant in Andhra Pradesh**

Isuzu Motors India, a subsidiary of Isuzu Motors, Japan, has opened its new manufacturing plant in Sri City, Andhra Pradesh and rolled out its India-made D-Max pick-up.

**Bangladesh approves Reliance Power proposal to set up 750 MW gas-based power project**

The Government of Bangladesh has granted in-principle approval for the first phase of Reliance Power's gas-based power project in Bangladesh. The first phase of 750 MW LNG based power plant will be set up at Meghnaghat (Narayanganj district), around 40 km South-East of Dhaka.

**Dilip Tuli appointed as Senior Vice President of Housing.com**

Former KPMG Director Dilip Tuli on 1 May 2016 was appointed the new Senior Vice President - Strategy & New Business Initiatives of Housing.com, India's leading online real estate platform.

**Charles Borromeo resigned from Tata Steel Sports Department**

Asian Games gold medalist Charles Borromeo resigned from the post of head of the Tata Steel sports department.

**Mahindra became first Indian company to join EP100 campaign**

Mahindra & Mahindra on 22 April 2016 became the first Indian company to join a global energy campaign, EP100, led by an international non-profit group, The Climate Group. It will work with the world's most influential businesses in setting commitments to double their energy productivity.

**BPCL gets green nod for rs. 694 cr LPG project in West Bengal**

The state owned fuel retailer BPCL has got the environment clearance nod for its 694 crore rupees LPG project in Haldia Dock Complex in West Bengal.

**Videocon d2h Ties Up With Vodafone M-pesa**

Videocon d2h announced that its sub-base of over 15 million can now recharge their d2h service using Vodafone m-pesa. This tie-up with Vodafone allows its customers a simple, convenient and on-demand recharge facility using the proven m-pesa platform.

**Mondelez inaugurates seventh plant in India**

Mondelez India which is best known for its Cadbury chocolates has inaugurated a Rs. 1,265-crore plant in Tada, SriCity, Andhra

Pradesh. This is the company's 7th manufacturing plant in the country and also the company's largest plant in the Asia-Pacific region.

## AGREEMENTS/MOU SIGNED

### India-Slovenia have signed Double Taxation Avoidance Convention

India and Slovenia have signed a Protocol to amend the existing bilateral double taxation avoidance agreement, broadening the pact to include exchange of information to curb tax evasion in Ljubljana.

### Ola Signs MoU With Govt. To Benefit 'Safai Karamcharis'

Mobile app for transportation Ola has signed MoU with National Safai Karamcharis Finance and Development Corporation (NSKFDC) established under the aegis of the Ministry of Social Justice and Empowerment to focus on building a sustainable framework by supporting entrepreneurship, skill development training and self-defence courses for Safai Karamcharis and Scavengers.

### India and WHO sign a landmark agreement for Global promotion of Traditional Systems of Medicine



**World Health Organization**

First of its kind landmark agreement signed between India and WHO for global promotion of traditional medicine. The Project Collaboration Agreement (PCA) is titled as 'Co-operation on promoting the quality, safety and effectiveness of service provision in traditional and complementary medicine between WHO and AYUSH, India, 2016-2020'.

### India and Bangladesh power ties with 21st-century nuclear deal

India and Bangladesh has concluded a nuclear agreement with each other to engage the bilateral neighborhood relationship. The Indian nuclear deal will equip and train Bangladesh to import their first nuclear power plant from Russia.

### Cabinet approves pact between SEBI and FSRA of Abu Dhabi

The Union Cabinet has given its approval for signing of a Memorandum of Understanding (MoU) between SEBI and Financial Services Regulatory Authority, Abu Dhabi for Mutual Co-operation and Technical Assistance. The agreement will promote

further development of economic links and cooperation between the two signatories.

### India and five others countries sign agreement on tax info sharing

As per the report published by Organisation for Economic Co-operation and Development (OECD), India and five other countries have signed a multilateral pact for automatic exchange of information on tax issues and developing new tools to tackle the tax evasion. The signing ceremony of the agreement took place in Beijing, China.

### Government inks MoU with NDTV Ethnic Retail Ltd. to popularize India Handloom products

A Memorandum of Understanding (MoU) has been signed between The Development Commissioner (Handlooms), Ministry of Textiles, Government of India and NDTV Ethnic Retail Ltd. for popularizing India Handloom textiles as a fashionable product for youth. The joint endeavor will endorse and launch a project, Indianroots Fashion Accelerator (IFA), a project by NDTV to support fresh talent.

### Nalco signs MoU with BARC for research and development

Odisha based aluminium company, National Aluminium Company (Nalco) has signed an memorandum of understanding (MoU) with Bhabha Atomic Research Centre (BARC), Mumbai for Research and Development (R&D) in fields of mutual interest.

### India signs revised tax treaty with Mauritius

India and Mauritius has signed the protocol for amendment of a two-decade-old Double Taxation Avoidance Agreement (DTAA) between the two countries.

### Australian university signed two MoU With India to provide medical technology

Australian state of Victoria, Swinburne University has announced two agreements with India in the area of medical technology to address major health challenges in India. The first agreement has signed to improve the diagnosis of epilepsy across India with Medanta, one of India's largest private hospitals. The second agreement has signed with the prestigious All India Institute of Medical Sciences (AIIMS) to develop a cutting edge 'smart helmet' to reduce the incidence of head injuries for motorcyclists.

### India to pay Iran \$6.4 bn via European banks

The central banks of India and Iran have agreed to use European Banks to clear \$6.4 billion oil payments to Tehran. According to

Mr. Pradhan there is an agreement between India and Iran's central banks. European banks will be the clearing agent and we have to pay European banks.

#### **India and Japan to sign MOU for Cooperation in Sports**

India and Japan has decided to exchange sports persons, coaches, experts and administrators to improve the standard of the game between both nations.

#### **Cabinet apprised IT agreement between India and Qatar**

The Union Cabinet has apprised of the Memorandum of Understanding (MoU) between India and Qatar for promoting bilateral cooperation in the field of Information Communication Technology (ICT). The MoU covers, active cooperation and exchanges between the private entities, capacity building institutions, Governments and other public organisations in the field of Telecom and IT.

#### **DRDO and Ayush join hands to impart yoga training to Defence Wing Staff**

A Delhi based premier laboratory of DRDO, Defence Institute of Physiology and Allied Sciences (DIPAS) in collaboration with Department of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH) organised a training program on Yoga for the Defence Wing Staff.

#### **Indian Railways Ink MoU With Haryana and Punjab To plant Trees Alongside Railway Track**

The Ministry of Railways and Forest Department of Haryana & Punjab have Signed Memorandum of Understanding (MoU) for plantation of trees alongside Railway Track on Railway Land Boundary. The MoU paves way for planting around 5 lakh trees alongside Railway Track on Railway Land Boundary prior to Monsoon Season.

#### **India and New Zealand sign agreement for direct Air Service**

India and New Zealand has signed a bilateral air services agreement that would facilitate the operation of direct flights between two countries.

#### **India, Papua New Guinea sign four agreements**

India and Papua New Guinea(PNG) have signed four Memorandum of Understandings (MoUs) in various sectors to boost bilateral cooperation. The MoU's are as follows:

1. MoU regarding \$100 Million Credit Line.
2. MoU in the field of Health Care and Medical Science.

3. MoU in the field of Agriculture.
4. MoU in the field of Information technology.

#### **BlackBerry Launches BBM Money Transfer Service in India**

Smartphone maker BlackBerry, in partnership with digital payments platform Digitsecure, has launched its money transfer service, called BBM Money, in India. The transfers are instant and secure, restricted to BlackBerry Messenger only.

#### **MoU signed between Railways and ISRO**

The Railways has signed up an Memorandum of Understanding (MoU) with Indian Space Research Organisation (ISRO) to develop an application for Remote Sensing and Geographic Information System.

#### **India Ratified WTO's Trade Facilitation Agreement**

India has ratified the new Trade Facilitation Agreement (TFA) of World trade Organisation (WTO). The agreement aims to ease customs procedures to boost commerce. India's WTO ambassador Anjali Prasad has handed over the instrument of acceptance to WTO director-general Roberto Azevêdo.

#### **MoU between India And Bhutan On Technical Cooperation**

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has given the approval for signing of a Memorandum of Understanding between India and Bhutan on technical cooperation in the field of capacity building, bench marking and bilateral exchange in infrastructure engineering.

## COMMITTEES

#### **NK Singh committee formed to review and give recommendations on FRBM roadmap**

The Union Government constituted a five member committee to comprehensively review and give recommendations on the Fiscal Responsibility and Budget Management (FRBM) roadmap for the future. The committee will be headed by former Revenue and Expenditure Secretary NK Singh. It has been asked to submit its report by 31 October 2016.

#### **Parkash Singh panel submits report on Jat quota Agitation**

Parkash Singh committee constituted to inquire into the omission and commission on part of all officers and officials of police and civil administration during Jat Quota agitation submitted its report to Haryana Chief Minister Manohar Lal Khattar.

### Committee on Estimates recommends PM-headed authority on Ganga Rejuvenation

The Estimates Committee of Parliament, in its report on Ganga Rejuvenation recommended an overarching and fully empowered authority headed by the Prime Minister. The committee is chaired by BJP veteran Murli Manohar Joshi.

### Parliamentary panel headed Divakar Reddy suggested fine, jail for celebrities of misleading ads

Parliamentary Standing Committee's report on the Consumer Protection Bill 2015 was tabled in Parliament. The committee headed by Telugu Desam Party MP J C Divakar Reddy in its report recommended holding celebrities accountable for misleading advertisements and stringent provisions including jail term up to five years and penalty up to 50 lakh rupees.

### SC appointed RM Lodha-panel to reform Medical Council of India

The Supreme Court of India appointed a 3 member panel headed by former Chief Justice of India (CJI) RM Lodha to oversee the functions of Medical Council of India (MCI). MCI is a regulator of the medical profession and education in India. Other two members of this panel are former Comptroller and Auditor General (CAG) Vinod Rai and Dr. SK Sareen.

### Government sets up five-member panel to review FRBM act

The union government has constituted a five-member committee for a comprehensive review of the Fiscal Responsibility and Budget Management (FRBM) Act. The committee will be headed by the former revenue secretary N K Singh.

### Govt. Constitutes Sanjay Mitra Committee To Prepare Policy Framework For Taxi Operators

The Union Government has constituted a 3 member committee to prepare a policy framework for taxi and other transport operators. The committee will be headed by Sanjay Mitra, Secretary of Union Ministry of Road Transport & Highways.

### H R Nagendra Committee On Yoga Education In Universities Submitted Its Recommendations

The Union Government has announced that the H.R. Nagendra Committee on Yoga Education in Universities has recommended 7 programmes for implementation in universities.

### Shyam Benegal Panel Submits Report On Censor Board Functioning

The Shyam Benegal-headed committee constituted by the Information and Broadcasting ministry to look holistically into the functioning of the censor board submitted its report to I&B minister Arun Jaitley .

## NEW APPOINTMENTS

### Rakesh Kumar Mishra Appointed As CCMB director

Rakesh Kumar Mishra, a noted expert in the study of function of genes, has been appointed as the new Director of the Centre for Cellular and Molecular Biology (CCMB) by the Council for Scientific and Industrial Research (CSIR).

### Indian Journalist Philip Abraham Elected Deputy Mayor In UK

An Indian journalist has been unanimously elected the Deputy Mayor of Loughton town in the United Kingdom. Councilor Carol Davis, the newly-elected mayor presented the Deputy Mayor's Badge to Philip Abraham.

### Indian-Origin Man Elected To Singapore Parl

An Indian-origin lawyer from Singapore's ruling People's Action Party (PAP) Murali Pillai has been elected member of the parliament following his victory in the by-election held at suburban Bukit Batok constituency.

### Tsai Ing-wen sworn in as first woman president of Taiwan



country.

Tsai Ing-wen of the Democratic Progressive Party (DPP) has sworn in as the new president of Taiwan and also has become the first female President of the

### A V S Ramesh Chandra Appointed as the Next Ambassador Of India To Romania

IFS officer A V S Ramesh Chandra Presently High Commissioner of India to Uganda, has been appointed as the Ambassador of India to Romania.

### UN Secretary-General appoints Patricia Espinosa Cantellano Executive Secretary of UNFCCC

United Nations Secretary General Ban Ki-moon has appointed Patricia Espinosa Cantellano of Mexico as Executive Secretary of

the United Nations Framework Convention on Climate Change (UNFCCC). She will succeed Christiana Figueres of Costa Rica.

#### **Barco Appoints Rajiv Bhalla as MD for India**

The Belgium based company Barco, a global leader in visualization technology like laser projectors, digital cinema projection, video projectors, etc. announced the appointment of Rajiv Bhalla as managing director for India.

#### **IndiGo names Rohit Philip as its new CFO**

The country's biggest airline by market share, IndiGo has appointed Rohit Philip as its new Chief Financial Officer (CFO). He will replace Pankaj Madan.

#### **Shell India Announces New Head**

Shell India has announced Nitin Prasad as its new India head from October 1.

#### **Justice Tinlianthang Vaiphei Sworn In As Acting Chief Justice of Tripura High Court**

Justice Tinlianthang Vaiphei was sworn in as the acting Chief Justice of Tripura High Court. He was administered the oath of office by the Governor Tathagata Roy at the Raj Bhavan in Agartala.

#### **Justice Deepak Gupta Sworn-In As Chief Justice Of Chhattisgarh High Court**

Justice Deepak Gupta on was sworn-in as the new Chief Justice of the Chhattisgarh High Court. Chhattisgarh Governor Balram Das Tandon administered the oath of office to Justice Gupta at a function at Raj Bhawan in Raipur.

#### **Justice Navin Sinha Sworn In New CJ Of Rajasthan HC**

Justice Navin Sinha was sworn-in as the new Chief Justice of the Rajasthan High Court. Governor Kalyan Singh administered the oath to the new Chief Justice of the state High Court.

#### **AR Rahman Joins as Goodwill Ambassador for Rio Olympics**

Famous musician, AR Rahman has become the 4th Goodwill Ambassador for Team India at the Rio Olympics in August 2016. Rahman joins an elite list that includes Sachin Tendulkar, Abhinav Bindra and Salman Khan.

#### **Justice Mukul Mudgal Appointed As Deputy Chairman Of FIFA Governance Committee**

The world governing body of soccer Federation Internationale de Football Association (FIFA) has appointed justice Mukul Mudgal deputy chairman of its governance committee.

#### **Hindupur Pradeep Rao appointed as Deputy CAG and A K Mittal as Railway Board member**

Senior audit service officer Hindupur Pradeep Rao has appointed as Deputy Comptroller and Auditor General (CAG). He is an Indian Audit and Account Service officer of 1981 batch.

#### **SEBI approves Ashok Chawla as NSE chairman**

The Capital market apex, Securities and Exchange Board of India (Sebi) has approved the appointment of Ashok Chawla as National Stock Exchange (NSE) new Chairman. He will replace Mr. S B Mathur.

#### **Axis Bank Appoints Sanjiv Misra As Chairman**

Axis Bank has appointed Sanjiv Misra, a retired bureaucrat, as non-executive chairman and independent director for a period of five years.

#### **Barack Obama Appoints Indian-American to Key Administration Post**

US President Barack Obama has appointed an Indo-American engineer, Manjit Singh, as the member of President's Advisory Council on Faith-Based and Neighborhood Partnerships.

#### **ICICI Prudential Appoints Sankaran Naren As Executive Director**

The board of directors of ICICI Prudential Asset Management Co. has appointed Chief Investment Officer Sankaran Naren as Executive Director.

#### **Senior Advocate Atma Ram Nadkarni appointed Additional Solicitor General**

Senior advocate of Bombay High Court Atma Ram Nadkarni was appointed as Additional Solicitor General (ASG). The Appointments Committee of the Cabinet (ACC) approved the appointment for a period of 3 years.

#### **Rodrigo "Digong" Duterte Wins The Philippines Presidential Election**

Anti-crime candidate and mayor of Davao Rodrigo "Digong" Duterte has won the presidential election of the Philippines. With 91.53% of votes counted so far, he is set for a landslide victory with 15.36 million votes.

**Michel Platini Resigns as UEFA President After Ban Appeal Fails**

Michel Platini resigned as Union of European Football Associations (UEFA) president after Court of Arbitration of Sports (CAS) upheld the ban imposed by FIFA.

**Shashank Manohar Resigns as BCCI President**

Board of Control for Cricket in India (BCCI) president Shashank Manohar has resigned from his post. He had taken over as the cricket body's president after the death of Jagmohan Dalmiya in October 2015.

**Sadiq Khan Elected First Muslim Mayor Of London**

Sadiq Khan - a member of the Labour Party and human rights lawyer of Pakistani descent has been sworn in as London's new mayor. He also set a record by winning 1.1 million votes.

**Mickey Arthur Appointed Pakistan's Head Coach**

Mickey Arthur (former South African cricketer) has been appointed the head coach of the Pakistan, the governing body of cricket in the country announced.

**Enda Kenny re-elected as Prime Minister of Ireland**

Taoiseach Enda Kenny was re-elected as Prime Minister of Ireland. Kenny, leader of Fine Gael party, was elected for the post 70 days after a general election which had produced no outright winner.

**Obama Reappoints Indian-American to Key Administration Post**

U.S. President Barack Obama has reappointed Indian-American Sachin Dev Pavithran to a key independent government agency. He has been reappointed as a Member of the Architectural and Transportation Barriers Compliance Board.

**Ghosh Named As Next Ambassador To Tajikistan**

Somnath Ghosh has been appointed as the next Ambassador of India to the Republic of Tajikistan. He has so far served in Russia, Tajikistan, Belgium (European Union Headquarters) and Bangladesh.

**Kumar Rajesh Chandra Appointed Aviation Security Wing Chief**

Senior IPS officer Kumar Rajesh Chandra was appointed as chief of Bureau of Civil Aviation Security (BCAS), the aviation security wing of the government, over 3 years after the post fell vacant.

**Sudhir Yadav is new Tihar Director-General**

Sudhir Yadav, the 1985 batch IPS officer of the Delhi police, was appointed as the new Director-General (DG) of Tihar.

**Radha Binod Barman takes over as Chairperson of NSO**

Renowned statistician Dr. Radha Binod Barman took over as the part-time Chairperson in the National Statistical Commission (NSC).

**Collegium Recommends Four Judges For SC**

The Supreme Court (SC) collegium headed by Chief Justice of India (CJI) T S Thakur, has recommended elevation of 3 High Court Chief Justices (CJ) and a senior lawyer to the apex court. The collegium has recommended the elevation of Justice A M Khanwilkar, Justice D Y Chandrachud and Justice Ashok Bhushan to the Supreme court. A senior lawyer and former Additional Solicitor General L Nageshwar Rao has also been recommended for appointment as a Supreme Court judge.

**Vice Admiral Sunil Lanba to be new Navy Chief**

Vice Admiral Sunil Lanba, Flag Officer Commanding-in-Chief (FOC-in-C) of Western Naval Command, has been appointed as the new Chief of Naval Staff. He will succeed Admiral RK Dhowan who is retiring.

**Sameer Chadha appointed as Partner and CEO of KPMG India**

KPMG's offshore arm in India announces the appointment of Sameer Chadha as partner and CEO.

**Sachin Tendulkar to be India's goodwill ambassador at Rio Olympics**

The Cricket legend Sachin Tendulkar has agreed to become the 3rd goodwill ambassador for India, along with actor Salman Khan (1st) and Shooter Abhinav Bindra (2nd) at the Rio Olympics.

**Bhupendra Kainthola Appointed As Director Of FTII**

Indian Information Service (IIS) officer Bhupendra Kainthola has been appointed as the Director of Film and Television Institute of India (FTII) for a term of 3 years. He replaced Prashant Pathrabe.

**Kishore Biyani Has Been Appointed As MD Of Bharti Retail**

Kishore Biyani, Future Group's Chief Executive has been appointed as managing director of Bharti Retail as part of the reconstitution of the board following their merger pact that was announced last year.

**Rohit Sharma signs as Brand Ambassador for Hublot watches**

Star Indian opener Rohit Sharma became the 'Brand Ambassador' of world famous watch brand Hublot becoming second renowned cricketer after former Australian captain Michael Clarke to be associated with the brand.

**IAS officer Ajay Mittal Appointed As I&B Secretary**

IAS officer Ajay Mittal appointed as the Information and Broadcasting secretary. Mittal, succeeds Sunil Arora.

**Mrugank Paranjape Is New CEO, Managing Director of MCX**

Mrugank Paranjape took charge as MD and CEO of Multi Commodity Exchange (MCX), country's largest commodity exchange. He will have the tenure of 3 years.

**Indian American Sikh woman elected to key Republican position**

An Indian American Sikh woman from California, Harmeet Kaur Dhillon has been elected to an important position in the Republican party at the US national level.

**S K Bhagat appointed DG- Railway Protection Force**

Senior IPS officer of Uttarakhand cadre Surender Kumar Bhagat has been appointed as the Director General (DG) of Railways Protection Force (RPF).

**Radha Kumar appointed to United Nations University Council**

An Indian academician, Radha Kumar is among 12 people appointed by UN Secretary-General Ban Ki-moon to the global body's University Council to formulate its principles and policies, consider and approve biennial budget and work programme.

**Lobsang Sangay re-elected as Prime Minister of Tibetan**

Lobsang Sangay was re-elected as head of the Tibetan 'government-in-exile' for a second consecutive term. He defeated his only rival Speaker of the Tibetan Parliament Pempa Tsering.

**Riek Machar Sworn As Vice-President Of South Sudan**

South Sudanese rebel leader Riek Machar has been sworn in as vice-president. His appointment is seen as a step towards ending a conflict that has killed tens of thousands.

**TVS racing signs Shreya Iyer**

TVS Racing has signed Shreya Sunder Iyer as its first woman rider for the upcoming two-wheeler Indian National Rally championship. She will represent the TVS team in Race.

**Mouamba Clement Appointed As Prime Minister Of Congo**

Democratic Republic of the Congo President Denis Sassou Nguesso has appointed former finance minister Mouamba Clement as the new Prime Minister of the central African country.

## OBITUARIES

**CBS News journalist Morley Safer passes away**

Veteran CBS newsman Morley Safer, who retired from CBS News has passed away after a 61-year career in journalism. He was 84 year old.

**Veteran Gujarati folk singer Diwaliben Bhil passes away**

Popular Gujarati folk singer Diwaliben Bhil has passed away in Junagadh. She was 80 year old. She was a born artist and famous for her unique voice.

**Former Jana Sangh Chief Balraj Madhok Passes Away**

Former Bharatiya Jana Sangh (BJS) president Balraj Madhok, who was one of its founders but marched to 'his own ideological drum beat' and thus getting expelled later, passed away at AIIMS after over a month's illness.

**The discoverer of Neptune's rings, Andre Brahic passes away**

The discoverer of Neptune's rings, Andre Brahic has passed away in Paris, France. He was 73 year old.

**Former Test cricketer Deepak Shodhan passes away**

Deepak Shodhan, India's oldest Test cricketer and the 2nd Indian to score a memorable test century in his debut innings, has passed away due to a heart attack. He was 87 year old.

**Head of Sant Nirankari Mission passes away**

The head of Sant Nirankari Mission and an Indian spiritual guru Hardev Singh has passed away in a road accident in Canada. He was 62 year old.

**Rajya Sabha MP from Gujarat Praveen Rashtrapal has passed away**

Rajya Sabha MP from Gujarat Praveen Rashtrapal has passed away after suffering a heart attack. The Rajya Sabha was adjourned for the day as a mark of respect towards sitting Congress member. He is 76 year old.

**Cricket commentator Tony Cozier has passed away**

West Indies cricket writer, commentator and journalist, Tony Cozier has passed away. He was suffering from neck and legs related infections. He was 75 year old.

**Bangladesh hangs Jamaat-e-Islami chief Nizami for war crimes**

Bangladesh government have hanged the fundamentalist Jamaat-e-Islami chief Motiur Rahman Nizami for war crimes committed during the country's 1971 Liberation War. He was 73 year old and hanged at Dhaka Central Jail.

**Footballer Bernardo Ribeiro dies, after playing game in Brazil**

Brazilian footballer Bernardo Ribeiro (26) has died after falling ill during a match in Brazil. He was taken to hospital but later reportedly suffered a suspected fatal heart attack.

**US actor William Schallert has passed away**

US actor William Schallert, who parlayed an everyman face into hundreds of television and film roles, most notably as the father in the 1960s TV situation comedy 'The Patty Duke Show' has passed away. He was 93 year old.

**Pak human rights activist Khurram Zaki shot dead**

Khurram Zaki, a leading Pakistani rights activist was shot dead by gunmen in Karachi. Khurram was better known for his strong stance against hatred and violence targeted at Shia Muslims.

**India progeria campaigner 'Nihal Bitla' dies aged 15**

A Mumbai teenager, Nihal Bitla, who had been suffering from a rare genetic disease that causes the body to age eight times faster than normal has passed away. He was the face of India's awareness campaign against progeria.

**Former J&K Minister Romesh Sharma passes away**

Former Jammu and Kashmir Minister and senior Congress leader Romesh Sharma passed away after a prolonged illness. He was 65.

## AWARDS

**Indian-American Rupa Iyer awarded for teaching in US**

Rupa Iyer, an Indian-American bio-technologist, has received the University of Houston's highest teaching award for her sustained and significant contributions to education in the US.

**Obama to present national science medal to Indian American**

Mr. Rakesh Jain, a 65 year old Indian American scientist will receive the prestigious 'National Medal of Science' award from US President Barack Obama.

**England cricketer Joe Root bags top three England cricket awards**

Joe Root, an England cricketer has bagged a hat-trick of awards, as he was named Test Player of the Year, Limited Overs Player of the Year and Fans' Player of the Year at the England's annual awards ceremony. Medium pacer Anya Shrubsole bagged the England women's cricketer of the year and Callum Flynn was named the best cricketer with a disability.

**JK Rowling receives highest French civilian honour**

Renowned author of Harry Potter series, JK Rowling has been honoured with the highest French civilian honour - 'French Legion Of Honour'. J K Rowling, who is also known as Robert Galbraith, is a British novelist, screenwriter and film producer.

**IIT student Nandini Bhandaru wins top Material Science award**

Nandini Bhandaru, a doctoral researcher at IIT-Kharagpur has bagged the European Materials Research Society's (E-MRS's) Young Scientist Award for contribution to materials science nano technology, particularly nano patterning of soft films and surfaces.

**UR Rao becomes first Indian to be honoured with IAF Hall of Fame Award**

The Former Indian Space Research Organisation (ISRO) Chief scientist Udupi Ramachandra Rao will become the first Indian to be inducted with the 'International Astronautical Federation (IAF) Hall of Fame' award for 2016.

**Indian artist wins award at UN poster contest on N-disarmament**

Anjali Chandrashekar, a 22-year-old Indian artist is among the three winners of a UN poster competition on creating awareness about nuclear disarmament.

**United Nations to honour 4 Indian peacekeepers and a civilian**

Four Indian peacekeepers and a civilian honoured with the Dag Hammarskjold Medal. They have died while serving on peacekeeping missions last year. Those awardee names are Head

Constable Shubhakaran Yadav, Rifleman Manish Malik, Havildar Amal Deka, Naik Rakesh Kumar and Gagan Punjabi.

#### **Ukrainian Singer Jamala named as the winner of 2016 Eurovision Contest**

Jamala, a Ukrainian Singer has won the 2016 Eurovision song Contest in Stockholm. This victory has come to Ukraine after a gap of 12 years as it has won the Eurovision title in 2004 by Ukrainian singer Ruslana.

#### **Kerala bags 'best family destination' award**

Kerala has been awarded the best family destination in the Lonely Planet Magazine India (LPMI) Travel Awards 2016.

#### **President of India presents National Florence Nightingale Awards**

Shri Pranab Mukherjee, the president of India presented the National Florence Nightingale Awards to 35 nursing personnel at a function in Rashtrapati Bhavan on the occasion of International Nurses Day. The awards are given by the Ministry of Health and Family Welfare as a mark of recognition for the meritorious services rendered by the nurses and nursing professionals in the country.

#### **Obama honours Indian-American elementary teacher Revathi Balakrishnan**

An Indian-American woman elementary teacher **Revathi Balakrishnan**, from Texas has been honored by US President Barack Obama at the White House for her excellent work in the field of education.

#### **N K Singh gets Japan's second highest national award**

A Bureaucrat, who turned as politician N.K. Singh has been honoured with Japan's second highest national decoration i.e. The Order of the Rising Sun, Gold and Silver Star award for his contribution in strengthening Indo-Japan ties in the field of trade and investment over the last few decades.

#### **SMS-based Vehicle Monitoring Service of Nagaland bags award**

The SMS-based Vehicle Monitoring System of Nagaland police has been conferred with the National Award for Smart Policing instituted by Federation of Indian Chamber of Commerce and Industry (FICCI).

#### **President Pranab Mukherjee presents gallantry awards**

President Pranab Mukherjee has conferred gallantry awards and other distinguished service medals during a defence investiture

ceremony at the Rashtrapati Bhavan. Thirteen officers of the armed forces received the Param Vishist Seva Medal, four received the Kirti Chakra, two were awarded the Uttam Yuddh Seva Medal.

#### **Corporation Bank gets MSME award**

Corporation Bank has been awarded 'excellence award on empowering MSMEs' by the Federation of Industry, Trade and Services (FITS).

#### **Indian professor wins Commonwealth short story regional prize**

Indian author and Social Science professor from India Prashar Kulkarni has won the Commonwealth Short Story Prize for 2016, in the Asia region for his "politically grounded, funny" fiction 'Cow and Company' about four men in search of a cow.

#### **Swiss government honours Yash Chopra**

Late director Yash Chopra, has been honoured with a special statue by the Switzerland government. To honour him, a sculpture made of pure bronze and weighing about 350 kilos in an iconic pose of him directing a film.

#### **Musician Angelique Kidjo honoured with Amnesty International top human rights award**

Renowned musician Angelique Kidjo along with three inspirational African youth activist movements have been declared the joint winners of the prestigious Amnesty International top 2016 human rights award. The award will be shared between the singer and the activist groups Y'en a marre from Senegal, le Balai Citoyen from Burkina Faso and Lutte pour le Changement (LUCHA) from DRC.

#### **Andhra Pradesh Harita-Priya Agriculture Project wins 2016 WSIS Prize**

Harita-Priya Agriculture Project of Andhra Pradesh has won the prestigious World Summit on the Information Society (WSIS) 2016 prize in the e-Agriculture category.

#### **Indian-American Journalist Receives Edgar A Poe Award**

Neela Banerjee and three of her colleagues from Inside Climate News – John Cushman Jr, David Hasemyer and Lisa Song – were presented with the prestigious Edgar A Poe award.

#### **LIGO Scientists Win \$3 Million For Detecting Albert Einstein's Waves**

Researchers who helped detect gravitational waves for the 1st time, confirming part of Albert Einstein's theory in a landmark

moment in scientific history, will share a \$3 million Special Breakthrough Prize, according to the prize's selection committee.

#### Women's Rights Activist Tabassum Adnan Wins 2016 Nelson Mandela Award

Tabassum Adnan, a women's rights activist from Pakistan's has won the prestigious Nelson Mandela award, becoming the second woman from the restless region to gain international recognition after Nobel laureate Malala Yousafzai.

#### Sand artist Sudarsan Pattnaik Bags Gold Medal

Indian sand artist Sudarsan Pattnaik Bags Gold Medal At Moscow Sand Sculpture Championship. Sudarsan Pattnaik has won the gold medal at Moscow Sand Art Championship 2016 for his 15 feet high sand art portraying Mahatma Gandhi.

#### Mongolia confers highest civilian honour to two Indians

Mongolia has conferred its highest civilian award "North Star" to two noted Indian scholars-Lokesh Chandra and Mansura Haider for their contribution to Mongolian studies. It was presented by the Mongolian Foreign Minister Lundeg Purevsuren.

#### New Zealand's \$5 bill named best banknote of the year



New Zealand's five-dollar note has been named the banknote of the year for 2015 by the International Bank Note Society. The note incorporates some of the world's most advanced security features and beautifully showcasing New Zealand's history, culture, and heritage.

#### IIT scholar K Ashok Kumar wins international award on plant nutrition

Mr. K Ashok Kumar, a research scholar from IIT Kharagpur (KGP) has won the prestigious International Plant Nutrition Scholar Award. The award is awarded by the US-based International Plant Nutrition Institute (IPNI) and carries a cash prize of USD 2,000 and a recognition certificate.

#### Manoj Bajpayee To Receive Dadasaheb Phalke Award For 'Aligarh'

Renowned actor Manoj Bajpayee will be going to receive the Dadasaheb Phalke Award for the movie Aligarh. The actor will receive the award in the best actor category of Critics Choice.

#### Best Film Critic Award Goes To Manipur's Meghachandra

President Pranab Mukherjee presented 'Best Film Critic' award to Manipur's Meghachandra Kongbam at the 63rd National Film Awards, 2015.

## DEFENCE NEWS

#### Nuclear Capable Prithvi-II missile test fired from Odisha

Indigenously developed nuclear capable Prithvi-II surface-to-surface missile was successfully test-fired from a test range at Chandipur in Odisha. It was carried out by Strategic Force Command (SFC) from a mobile launcher at launch complex-3 from the Integrated Test Range (ITR) at Chandipur in Odisha. It is a tactical short-range ballistic missile (SRBM) developed by DRDO & has the strike range of 350 km.

#### India, U.S. Hold First Maritime Security Dialogue

India and the US held the first round of discussions under the recently-constituted Maritime Security Dialogue. The dialogue was held between the officials of Defence and External Affairs ministries and their US counterparts.

#### India and U.S. fly 'Red Flag' high

The Air Forces of India (IAF) and the United States concluded their four-week "Red Flag" aerial combat exercises at Alaska in the U.S. The two forces simulated realistic aerial combat scenarios in a networked environment. The Indian Air Force flew 10 aircraft - four Su-30MKIs, four Jaguars and two IL-78 aerial refuelling tankers.

#### India Successfully Test Fires Interceptor Missile

In its effort to have a full fledged multi-layer Ballistic Missile Defence system, India has successfully test-fired its indigenously developed supersonic interceptor missile, capable of destroying any incoming hostile ballistic missile, from a test range off Odisha coast. The Advance Air Defence (AAD) missile dubbed as Ashwin was fired from the Abdul Kalam Island.

#### US Activates Land-Based Missile Defence Station In Romania

US has activated a land-based missile defence station (Aegis Ashore Missile Defence System) in Deveselu, Romania. The

missile defence station is part of NATO's larger European shield to protect member countries from short and medium-range missiles, particularly from the Middle East.

#### **Indian Air Force's Electronic Maintenance Management System Launched**

Indian Air Force (IAF) has launched its Electronic Maintenance Management System (e-MMS) Project, an automated military maintenance system.

#### **Indian Navy Decommissions Fighter Planes Sea Harriers**

The Indian Navy decommissioned its fleet of iconic Sea Harriers. This episode of decommissioning marked the end of an era in India's naval history, as the country holds an official ceremony phasing out the last of its iconic Sea Harrier jets.

#### **After 33 Years In Service Sea Harriers Bid Adieu To Navy**

In a composite air display symbolised a smooth transition from the old to the new, the Indian Navy phased out Sea Harrier fighter jets — which were the mainstay of Indian Naval air arm since 1983, thus paving way for the supersonic MiG 29K aircraft into the Indian Naval Air Squadron (INAS 300).

#### **Indian Navy Launches Underwater Harbour Defence System at Visakhapatnam Naval Base**

The Indian Navy has launched the state-of-the art harbour defence systems at Visakhapatnam. The system integrated underwater harbour defence and surveillance system and mine warfare data centre which would enhance the Navy's surveillance capability and response to security threats at the naval dockyard in Visakhapatnam.

#### **Indian Army Conducts 'Chakravayuh-II' Training Exercise In Rajasthan**

Indian Army had conducted major military training exercise '2016 Chakravayuh-II' in Suratgarh, Rajasthan. The main Purpose of the exercise is Validate battle readiness and operational effectiveness of the Pivot Formation and Rapid Division of Indian Army along with all its affiliated components.

#### **Offshore Patrol Vessel ICGS Shaurya Launched**

Goa Shipyard Limited (GSL), launched Indian Coast Guard Ship (ICGS) Shaurya at Vasco. This is the fifth ship of a series of six off-shore patrol vessels (OPVs) that the Indian Coast Guard had tasked the Vasco defence public sector undertaking to build.

#### **Reliance Defence Has Received 16 Industrial Licences For Missiles, Equipment**

Reliance Defence has got 16 industrial licenses to manufacture a wide array of high technology equipment including small arms, heavy weapons, armoured vehicles, ammunition, explosives, electronic warfare systems and missiles.

#### **US Navy Tests World's Largest Unmanned Ship, Designed To Cross Oceans**

United States of America (US) Navy has tested the world's largest unmanned surface vessel named Sea Hunter in San Diego. It is a self-driving 132-foot ship able to travel up to 10000 nautical miles on its own to hunt for stealthy submarines and underwater mines.

#### **Reliance Defence has signed agreement with 3 Ukranian firms**

A strategic partnership agreement has been signed by the Reliance Defence with three Ukranian state-owned companies that will be allowing them to collaborate on a range of military products including transport aircraft, upgrade of armoured vehicles, maritime gas turbines and unmanned aerial vehicles.

#### **Indian Naval Ships Veer and Nipat decommissioned**

Indian Naval Ships (INS) Veer and Nipat were decommissioned at the Naval Dockyard in Mumbai, Maharashtra. The decommissioning ceremony of these ships was held in the presence of Vice Admiral Sunil Lanba, Flag Officer Commanding-in-Chief Western Naval Command.

#### **Indo- Mongolia Joint Military Exercise**

The 11th Indo-Mongolia joint training Exercise, Nomadic Elephant - 2016 to promote military associations between India and Mongolia has commenced in Mongolia.

#### **INS Karmuk Corvette Participated In Indo-Thai Coordinated Patrol (CORPAT)**

INS Karmuk, an indigenously built Missile Corvette based at the Andaman and Nicobar Command, along with a Dornier Maritime Patrol Aircraft, are participating in the 22nd Indo-Thai Coordinated Patrol (CORPAT) in the Andaman Sea.

## **RANKS & REPORTS**

#### **India Ranks Ninth In Crony-Capitalism Index**

India is ranked at 9th position in crony-capitalism with crony sector wealth accounting for 3.4% of the gross domestic product

(GDP), according to a new study by The Economist. In India, the non-crony sector wealth amounts to 8.3% of the GDP, as per the latest crony-capitalism index.

## SCIENCE AND TECHNOLOGY

### UTMB Scientists Genetically Engineered World's First Zika Virus Infectious cDNA Clone

A multidisciplinary research team from the University of Texas Medical Branch (UTMB) has announced that it genetically engineered world's first clone of the Zika virus strain. The development of cDNA clone, as it is called, is expected to speed up many aspects of Zika research.

### NASA Launches Near-Space Monitoring Super Pressure Balloon from New Zealand

The National Aeronautics and Space Administration (NASA) successfully launched a super pressure balloon to conduct near-space scientific investigations. It was launched from South Island Wanaka Airport, New Zealand in the fifth attempt.

### World's First Robot Lawyer ROSS Hired By US Law Firm BakerHostetler

The world's first artificial intelligence lawyer has been employed by a law firm in the US, which will use the robot to assist its various teams in legal research. The robot called 'ROSS' is built upon Watson, IBM's cognitive computer.

### Australian Researchers Built World's First Scanning Helium Microscope

Australian researchers built world's first scanning helium microscope (SHeM). An announcement in this regard was made by the scientists belonging to the University of Newcastle.

### China Launches Yaogan-30 Remote Sensing Satellite

China has successfully launched a remote sensing satellite Yaogan-30 into sun-synchronous orbit (SSO) using the Long March-2D rocket. The rocket was launched from Jiuquan Satellite Launch Center located in Gobi desert in northwest China's Gansu Province.

### ISRO's Big Leap, Embarks On Launching Indian Space Shuttle

Indian Space Research Organisation (ISRO) is all set to undertake the maiden launch of its 'space shuttle', a fully made-in-India effort. A sleek winged body, almost the weight and the size of

sports utility vehicle (SUV), is being given final touches at Sriharikota where it awaiting final countdown.

### NASA Unveils First Global Topographic Model of Mercury

The National Aeronautics and Space Administration (NASA) unveiled the first global digital elevation (topographic model) of Mercury. The model was unveiled by NASA's Messenger (Mercury Surface, Space ENvironment, Geochemistry, and Ranging) mission.

### Atomic Oxygen Detected In Martian Atmosphere

Scientists have detected atomic oxygen in the atmosphere of Mars for the first time since the last observation 40 years ago. These atoms were found in the upper layers of the Martian atmosphere known as the mesosphere.

### SpaceX Successfully Launches Japanese JCSAT-14 Satellite

United states (US) based private space transport service company, SpaceX has successfully launched Japanese JCSAT-14 communication satellite into space. The satellite was placed into its intended preliminary geostationary transfer orbit by SpaceX Falcon 9 rocket which was launched from Cape Canaveral Air Force Station in Florida, US.

### Three Earth-like planets discovered orbiting dwarf star

An international team of scientists have discovered a trio of Earth-like exo-planets using the TRAPPIST telescope at ESO's La Silla Observatory. These planets were found orbiting an ultra-cool dwarf star just 40 light-years from Earth and are likely comparable in size and temperature to Earth and Venus. Scientists have named the ultra-cool dwarf star 2MASS J23062928-0502285 (also known as TRAPPIST-1).

### World's smallest engine powered by light created

The world's smallest engine has been created at Cambridge University by UK based researchers. The engine is fueled by lasers and gold and a few billionths of a metre in size, which uses lights to power the engine.

### All new mobiles to have panic button from 2017

The Department of Telecommunications has notified that from next year, all mobile phone sold in India will come with a dedicated 'panic button' and will also have the Global Positioning System facility in it. These facility can be used to send out a signal in case of distress.

**Pakistan, China To Launch Satellite to monitor CPEC projects**

China and Pakistan have signed an agreement for the launch of a special satellite to monitor the development of the multi-billion dollars China-Pakistan Economic Corridor (CPEC) projects. Pakistan and China are working closely and wholeheartedly to implement the CPEC projects in the speediest manner.

**China plans to build more than 500 airports by 2020**

China plans to build more than 500 airports by 2020 to create a market worth over 153 billion US dollars for its general aviation industry.

**UNICEF And EU Launch #EmergencyLessons Campaign On Education In Crisis Zones**

The United Nations Children's Fund (UNICEF) and the European Union (EU) have announced the launch of #EmergencyLessons campaign on education in crisis zones. The campaign is a social media-driven public awareness campaign.

## INTERNATIONAL NEWS

**International Buddhist conference begins in Nepal**

A two day International Buddhist conference begun in Nepal to celebrate the 2,560th birth anniversary of Lord Buddha. Around 1,200 delegates and observers from 28 countries around the world are attending the conference. The theme of the conference is "Lumbini, Nepal: the birth place of Lord Buddha and the fountain of Buddhism and world peace".

**Ak Ex-Pm's Son Rescued From Taliban 3 Years After Abduction**

The son of Pakistan's Ex-Prime Minister Yousuf Raza Gilani, Ali Haider Gilani rescued from the clutches of Taliban in a joint operation by the US and Afghan forces in Afghanistan, three years after he was abducted from his hometown in Pakistan's Punjab province.

**Pak, China Jointly Launch Production Of Jf-17b Fighter Jets**

Pakistan and China have launched the production of a new variant of the JF-17B 'Thunder' multi-role combat jet to be inducted into PAF by April next year to enhance its operational capabilities.

**UN-Habitat releases World Cities Report 2016, Urbanization and Development: Emerging Futures**

As per United Nations report, India is projected to add 300 million new urban residents by 2050 and it will also need to build Climate Friendly cities to deal the challenge of accommodating the needs of the Population growth. Research in India found that an increase of 200,000 in the urban population resulted in a decrease of 1.3 to 2.6 per cent in rural poverty.

**UN launches Multi-Partner Trust Fund for Zika virus response**

United Nations (UN) has announced the establishment of the UN Zika Response Multi-Partner Trust Fund (MPTF) to finance critical unfunded priorities in the response to the Zika outbreak. The fund was launched by the UN Secretary-General Ban Ki-moon at the UN Headquarters in New York, United States.

**Singaporean and Hong Kong terms added to Oxford Dictionary**

For now wah, shiok and yum cha and many more words are now officially recognized as acceptable English. As several Singaporean and Hong Kong English terms have been included in the Oxford English Dictionary. As of now, the Oxford English Dictionary (OED) added 19 Singaporean terms and 13 Hong Kong terms in its March quarterly update.

**Central Asian state leaders inaugurated CASA-1000 power project in Tajikistan**

Central Asian state leaders have inaugurated the Central Asia South Asia (CASA-1000) transmission line near Dushanbe in Tajikistan to link the four nations and to promote regional stability, security and prosperity. These countries are Tajikistan, Kyrgyzstan, Afghanistan and Pakistan.

**Kenya to close World's biggest refugee camp in Dadaab**

The Kenyan government has decided to close the World's biggest refugee camp in Dadaab. Presently, around 3,28,000 refugees mostly from Somalia are staying in Dadaab camp.

**India to develop regional connectivity projects worth \$5 billion in South Asia**

India is planning to develop regional connectivity projects worth \$5 billion in South Asia. The projects include road corridors connecting India with Bangladesh, Nepal and Bhutan through West Bengal and India-Myanmar through Manipur.

**US-India Defence Cooperation Act introduced in Senate**

The US-India Defence Technology and Partnership Act was introduced in the Senate by Senators Mark Warner and John Cornyn - co-chairs of the Senate India Caucus. If this act is passed, it will elevate the status of the Indo - US defence relationship on par with that of America's closest allies like NATO and Israel.

**Malaysia, Indonesia and Philippines to conduct joint water patrols to curb kidnappings**

Malaysia, Indonesia and the Philippines has agreed to conduct coordinated sea patrols and establish a hotline to combat piracy and kidnappings in waters bordering the three nations. The agreement will be signed by the foreign ministers of the countries in Yogyakarta, Indonesia.

**75 Million Children In Desperate need of education support: UNICEF**

According to a report released by United Nations Children's Emergency Fund (Unicef), some 75 million school-age children in crisis areas around the world are in desperate need of educational support. The report comes ahead of the World Humanitarian Summit to be held in Istanbul on 23 and 24 May.

**Reliance Power to setup plant in Bangladesh**

Reliance power is all set to setup a power plant in Bangladesh as it got the approval for the first phase of Reliance Power's project. As per the approval, the company will set a 3,000 MW gas based power plant.

**India ranks on 5th Place in forge goods trade, China on Top in the list**

India ranks 5th position in the exports of Fake goods globally while china is No.1 in the list with a huge 63 % share in the estimated half-a-trillion dollar worldwide imports of forged and pirated goods.

**India, France Launch \$1 Trillion Potential Solar Programme**

India and France have launched a programme with \$1 trillion Potential Solar Programme under the International Solar Alliance (ISA). It is a solar finance programme that aims at helping developing countries to fully harness their solar resources for a clean energy future.

## SUMMITS

**First National-Level Khadi Exhibition In Srinagar**

Khadi and Village Industries Commission has set a new milestone in spreading Khadi by holding an all-India exhibition of Khadi in Srinagar.

**4th Ministerial meeting of SAIEVAC held in New Delhi**

The eight nations Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka are composing the South

Asia Initiative to End Violence Against Children (SAIEVAC) meets in New Delhi for their 4th Ministerial Meeting.

**Cultural festival in Egypt inaugurated to observe Tagore's birth anniversary**

To mark the 155th birth anniversary of Rabindranath Tagore, a five day cultural festival has been organised by India in Cairo, Egypt. It is with the objective to build connections between the people of the two countries who share strong cultural bonds.

**National conference on 'Gaushalas' organised in New Delhi**

The Ministry of Environment, Forest and Climate Change and Department of Animal Husbandry, Dairying & Fisheries have organized a day-long national conference on 'Gaushalas' (cowsheds) in New Delhi.

**International Vichar Mahakumbh concluded**

International Vichar Mahakumbh at Ujjain in Madhya Pradesh concluded. It was attended by Prime Minister Narendra Modi as well as visiting Sri Lankan President Maithripala Sirisena.

**First world conference on tourism for development will be held in Beijing**

The First World Conference on Tourism for Development held in Beijing, China. The conference aim to advancing the contribution of tourism to the UN Sustainable Development Goals (SDG) under the theme 'Tourism for Peace and Development'.

**Rwanda hosts 26th World Economic Forum on Africa**

Rwanda hosted the 26th World Economic Forum on Africa (WEF) in its capital Kigali. Promoting innovation is being high on the agenda. The theme of this 26th World Economic Forum on Africa is - Connecting Africa's Resources through Digital Transformation.

**49th Annual Meeting of the Asian Development Bank (ADB) started at Frankfurt (Germany)**

The 49th Annual General Meeting of ADB held at Frankfurt, Germany. The Indian Finance Minister Mr. Arun Jaitley has also reach there to attend the ADB's board of governors meet.

**Heart of Asia conference began in New Delhi**

The Heart of Asia (HoA) conference began in New Delhi. The conference was attended by officials of a number of countries including Pakistan Foreign Secretary Aizaz Ahmed Chaudhry. Earlier, Pakistan hosted the fifth Heart of Asia Ministerial Conference in Islamabad on 9 December 2015.

## BOOKS AND AUTHORS

### **The Drowned Detective released**

The Drowned Detective authored by Neil Jordan depicts genre-defying story about a private investigator who arrived in a small Eastern European city because he was told about the opportunities opening up in former Soviet countries.

### **Chaos and Caliphate: Jihadis and the West in the Struggle for the Middle East released**

The book titled Chaos and Caliphate: Jihadis and the West in the Struggle for the Middle East authored by Patrick Cockburn exposes how millions of people were killed by a series of disastrous Western interventions in West Asia.

### **India vs Pakistan: Why Can't we just be Friends? released**

A forthcoming book titled India vs Pakistan: Why Can't we just be Friends? is authored by former Pakistani Ambassador to the U.S. Husain Haqqani. The book recounts the visit by ex-ISI chief General Pasha to Washington on 24 and 25 December 2008, where he made the startling admission.

### **Shashi Kapoor - the Householder, the Star released**

Yesteryear's Bollywood actor Shashi Kapoor's biography titled Shashi Kapoor – the Householder, the Star was released on 6 May 2016. The book, which attempts to delve into the nature and nurture of Shashi Kapoor, is authored by film journalist Aseem Chhabra.

### **Blood on my Hands: Confessions of Staged Encounters released**

The book titled Blood on my Hands: Confessions of Staged Encounter authored by Kishlay Bhattacharjee. The author stated that the book, which is on India's north-eastern region, serves as an eye-opener.

### **The Making of India: The Untold Story of British Enterprises released**

The making of India: The untold story of British Enterprises authored by Kartar Lalvani. The book discusses the British rule and its role in creating a unified India.

## IMPORTANT DAYS

### **World Hypertension Day observed across the world**

The World Hypertension Day (WHD) was observed across the world on 17 May 2016 with the theme Know Your Numbers.

### **World Telecommunication and Information Society Day observed**

The 2016 World Telecommunication and Information Society Day (WTISD) was observed on 17 May 2016. This year, WTISD focused on the theme ICT entrepreneurship for social impact.

### **International Day of Families observed**

The 2016 International Day of Families was observed across the world on 15 May 2016. The theme for the year was Families, healthy lives and sustainable future.

### **World Migratory Bird Day observed**

World Migratory Bird Day (WMBD) was observed across the world on 10 May 2016. The theme for 2016 WMBD was Stop the Illegal Killing, Taking and Trade of Migratory Birds.

### **International Labour Day celebrated globally**

International Labour Day was celebrated on 1 May 2016. The theme of the Day of 2016 is Celebrating the international labour movement. This is also known as International Worker's Day and May Day.

### **International Jazz Day observed globally**

The International Jazz Day 2016 was observed across the world on 30 April 2016. This year, UNESCO celebrated the day at Washington, DC.

### **Day of Remembrance for all Victims of Chemical Warfare observed**

The Day of Remembrance for all Victims of Chemical Warfare 2016 was observed on 29 April 2016 by the United Nations (UN).

### **World Day for Safety and Health at Work observed globally**

The 2016 World Day for Safety and Health at Work was observed across the world on 28 April 2016 with the theme Workplace Stress: a collective challenge.

**World Intellectual Property Day 2016 observed globally**

The World Intellectual Property Day 2016 was on 26 April 2016 observed across the world with the theme Digital Creativity: Culture Reimagined.

**World Immunization Week 2016 organised**

World Immunization Week 2016 is being organised across the globe between 24 April and 30 April 2016. The week's campaign is 'Close the Immunization Gap' and it seeks to achieve global vaccination targets by 2020.

**World Malaria Day observed**

World Malaria Day (WMD) 2016 was observed globally on 25 April 2016. The theme for 2016 is End Malaria For Good.

**11th May : National Technology Day**

Every year, National Technology Day is observed across India on May 11 to mark Indian technological advancement. The day has been declared National Technology Day by the Indian Government in order to commemorate the history of India's technological capability and expertise.

**3rd May : World Press Freedom Day**

Every year, 3rd May is observed as World Press Freedom Day. The theme for the 2016 WPF is - Access to Information and Fundamental Freedoms - This Is Your Right!

**24 April : National Panchayati Raj Diwas**

Every year 24th April is celebrated as National Panchayati Raj Diwas across India. The Constitutional (73rd Amendment) Act, 1992 which came into force with effect from 24th April, 1993 has institutionalized Panchayati Raj through the village, Intermediate and District level Panchayats.

## VISITS

**Modi, Sirisena Discuss Bilateral Ties**

Sri Lankan President Maithripala Sirisena held talks with Prime Narendra Modi. This is Sirisena's second visit to India in the span of 17 months in office.

The Lankan President is on a two-day visit to India during which he, along with, PM Modi will go to Ujjain to participate in the Kumbh Mela. Sirisena will address the valedictory session at the Vaicharick Mahakumbh, held as part of the Simhastha Mahakumbh. He is also scheduled to visit Sanchi Stupa to attend

a function by the Mahabodhi Society of Sri Lanka where he will unveil a statute of Angarika Dharmapala.

Modi said that Sirisena's visit for the Simhastha Kumbha was significant as it showed the deep civilisational ties between India and Sri Lanka.

**Kerry, Saudi King Discuss Conflicts In West Asia**

US Secretary of State John Kerry discussed with Saudi King Salman bin Abdulaziz al-Saud the ongoing conflicts in the West Asia. Kerry also met Crown Prince, Deputy Premier and Minister of Interior Mohammed bin Naif bin Abdulaziz and discussed ways to strengthen cooperation between the two countries.

**In Historic Step, Obama To Visit Hiroshima**

After a historic visit to Cuba in March, President Barack Obama is to embark on another historic trip — this one to Hiroshima in what would be the first visit by a sitting US President since the American atomic bomb attack on the hapless city towards the end of World War II in 1945, killing an estimated 140,000 people.

## SPORTS NEWS

**Andy Murray beats Novak Djokovic to win first Italian Open title**

Britain's Andy Murray has won his first Italian Open Men's Singles Tennis title. In the final played in Rome, third-ranked Murray defeated the top-ranked Djokovic 6-3, 6-3.

**Sevilla win 3rd consecutive Europa League title**

Sevilla were crowned for the third straight year as the UEFA Europa League champions after they defeated Liverpool 3-1 in the final at the St. Jakob-Park in Basel.

**Indian Women's 4 x 100m Relay Team Breaks the National Record At IAAF World Challenge**

The Indian 4x100m women's relay team broke the 18-year-old national record to finish in 4th position at the IAAF World Challenge held in Beijing, China. The 4x100m women relay team comprising Dutee Chand, Srabani Nanda, HM Jyoti and Merlin Joseph clocked 44.03s to finish the race.

**Sudha Singh Breaks 3,000m Steeplechase National Record**

Indian athlete Sudha Singh has created history by breaking the national record in women's 3,000m steeplechase event in the Diamond League Meet in Shanghai.

**Indian Archers Deepika, Bombayla, Laxmirani Named For Rio Olympics**

A three-member Indian women's archery team comprising Deepika Kumari, Bombayla Devi and Laxmirani Majhi was named for the Rio Olympics.

**Max Verstappen becomes youngest Formula 1 winner**

The Red Bull, Max Verstappen has become the youngest formula 1 winner. He is 18 year old. He won the title in Spanish Grand Prix, as Mercedes drivers Lewis Hamilton and Nico Rosberg crashed out of the race.

**Sania Mirza And Martina Hingis Wins Italian Open Final**

World No. 1 women's doubles team of Sania Mirza and Martina Hingis beat the Russian pair Ekaterina Makarova and Elena Vesnina by 6-1, 6(5)-7, 10-3 to claim the Italian open title.

**Vijender Singh Beats Andrzej Soldra To Win Sixth Pro Fight**

Indian boxing star Vijender Singh registered his sixth straight professional boxing victory with a Technical Knockout over Poland's Andrzej Soldra in a Super Middleweight contest at Bolton in UK.

**Rwanda Captain Bats 51 Hours Straight, Creates New Guinness Record**

Rwandan national captain Eric Dusingizimana, has set a new Guinness world record by batting out a straight 51 hours, the longest individual net session, beating the record set last year by India's Virag Mane, who had batted a straight 50 hours.

**Anil Kumble Re-Appointed ICC Cricket Committee Chairman**

Former India captain Anil Kumble has been re-appointed ICC (International Cricket Council) Cricket Committee chairman for the second term of 3-years. Now he will continue to head the panel until 2018.

**Fifa Appoints Fatma Samoura As First Female Secretary General**

FIFA has appointed a UN diplomat, **Fatma Samoura** as its first ever female secretary-general, a surprise and historic move announced at a congress to overhaul the scandal-hit organisation. She will be responsible for the day-to-day running of football's world governing body.

**Dravid, Jayawardene In ICC Cricket Committee**

Former India captain Rahul Dravid and ex-Sri Lanka captain Mahela Jayawardena have been appointed to the ICC Cricket

Committee, adding even more cricketing experience to the list of eminent people already on it.

**Wrestlers Ravinder Khatri, Babita Kumari bag Rio Olympic berths**

Indian Wrestlers Ravinder Khatri and Babita Kumari have secured spots at the upcoming Rio Olympics after their rivals failed a dope test, taking the total number of quota places from India to eight.

**ICC lifts Suspension On Sri Lankan Wicket-Keeper Kusal Perera**

The International Cricket Council (ICC) has announced that it has lifted the provisional suspension imposed on Sri Lanka wicket-keeper batsman Kusal Perera.

**NBA Star Stephen Curry Named MVP For Second Straight Year**

NBA superstar Stephen Curry was named the National Basketball Association's (NBA) Most Valuable Player (MVP) for the second straight year, becoming the first unanimous winner in the award's 61-year history.

**Charlotte Edwards, England Women's Cricket Captain, Retires From International Cricket**

Charlotte Edwards, England's women cricket team captain, announced her international retirement. In her 20-year cricket career, she captained England for 10 yrs and became one of the most influential women in British Sport.

**Indian Boxers Won 4 Medals at 7th Asian Youth Championship**

Indian boxers won four medals at the 7th Asian Youth Championships held in Pavlodar, Kazakhstan. India finished at third in the overall standings with three-silver and a bronze medal in the tournament. The Indian boxers who won silver medals are National champion Ankush Dahiya (60kg), Ashish Kulhriya (64kg) and Reyal Puri (81kg). Manjeet Singh (+91kg) won the solitary bronze.

**Novak Djokovic Wins 2016 Mutua Madrid Open**

Number one seed Novak Djokovic defeated Andy Murray 6-2, 3-6, 6-3 to conquer the Mutua Madrid Open title in Madrid, Spain. It was Djokovic's fifth win in the last 6 ATP 1000 competitions.

**Wrestlers Vinesh Phogat, Sakshi Malik Qualify For 2016 Rio Olympics**

Indian Wrestlers Vinesh Phogat and Sakshi Malik earned 2016 Rio Olympics quota spots in wrestling, as the duo entered the final of 2nd Olympic Games World Qualifying Tournament in Istanbul, Turkey.

**Rohit Sharma Unveils India's First Sports Expo**

Cricketer Rohit Sharma inaugurated the Pune International Sports Expo at the Agriculture College Ground. It is the first sports expo being held in the country organised by city-based Steps Sports Entertainment Private Limited.

**Pakistan beat India to retain Asian Kabaddi title**

Pakistan has won the third edition of the Asian Kabaddi Championship 2016 (Circle Style) by defeating India. In the final match held at Pakistan Ordinance Factory Sports Complex in Wah Cantonment, Pakistan (defending champion) defeated India by 50-31 points.

**Indian Shooters finish fourth With 10 Medals: ISSF Jr. WC**

India ended their campaign at the International Shooting Sports Federation (ISSF) Junior World Cup in Suhl, Germany with a creditable fourth place finish, while Italy finished at the top spot in the medal's table.

**Matthew Fleming named new MCC president**

Former England star all-rounder cricketer Matthew Fleming has been appointed as the next Marylebone Cricket Club (MCC) president. He was nominated by the current president Roger Knight at the AGM at Lord's.

**New Zealand top ICC T20I Rankings**

New Zealand, the 2016 ICC World Twenty20 semi-finalist, have jumped up two places in the ICC T20I Rankings to top the table for the first time. India is on 2nd place with 132 points.

**Mark Selby Wins 2016 World Championship Title Of Snooker**

Star snooker player Mark Selby belongs from England has won the 2016 World Championship title of Snooker. In the final match played in Sheffield, he defeated China's Ding Junhui.

**Seven Indian shuttlers qualify for Rio Olympics**

Seven Indian Ace shuttlers have made the cut for the Rio Olympics, the list includes two female singles players in Saina Nehwal and PV Sindhu, a male singles' player in Kidambi Srikanth, women's doubles pairing of Jwala Gutta and Ashwini Ponnappa while Manu Attri and Sumeeth Reddy make up the male doubles team. The only event where India won't have an entry is in the mixed doubles.

**Leicester City crowned English Premier League champions**

Leicester City have won the English Premier League title for the first time in the club's 132 year history after nearest challengers Tottenham Hotspur could only manage a 2-2 draw with Chelsea.

**Virat Kohli nominated for Khel Ratna and Ajinkya Rahane for Arjuna Award**

BCCI has nominated Indian Test captain Virat Kohli for the prestigious Rajiv Gandhi Khel Ratna Award and his teammate Ajinkya Rahane for Arjuna Award. These nominations by BCCI have come after a gap of four years.

**Indian team won one-silver, two bronze in Archery World Cup**

Indian women's team has won the silver medal in the recurve team final of Archery World Cup held at the Yuanshen Stadium in Shanghai, China. Women's team comprised of Deepika Kumari, Bombayla Devi Laishram and Laxmirani Majhi. In the final match they lost to Chinese Taipei team by 2-6 score.

**Vijender Singh records 5th consecutive victory**

Star Indian boxer Vijender Singh recorded his 5th consecutive victory in Professional Boxing. He defeated Frenchman Matiouze Royer at London's Copper Box Arena via knock-out.

**Nico Rosberg has won Russian Grand Prix**

The Formula One championship leader Nico Rosberg has won the Russian Grand Prix in Sochi. It's his fourth-straight win of this season. His Mercedes teammate, Lewis Hamilton and Ferrari's Kimi Raikkonen has finished at 2nd and 3rd respectively in the race.

**Allan Donald Appointed as Australia's Bowling coach**

Former South Africa fast bowler Allan Donald will join Australia as their bowling coach for their tour of Sri Lanka, Cricket Australia has confirmed.

**Sanath Jayasuriya reappointed as Sri Lanka Cricket's Chief Selector**

The former Sri Lankan opener, Sanath Jayasuriya has been reappointed as the country's chief selector, a little more than a year after he stepped down from the position.

**Garima wins gold at Commonwealth Judo Championship**

Garima Chaudhary has won another gold medal at the 2016 Commonwealth Judo Championship finals at Port Elizabeth in South Africa. She has clinched the gold in 63kg junior category.

**Nandu Natekar became first non-cricketer to become a member of CCI's Legend Club**

Badminton ace Nandu Natekar became the first non-Cricketer to be inducted into the Legends Club founded by the late Cricket Club of India (CCI) president Raj Singh Dungarpur.

**Archer Deepika Kumari Equals World Record at World Cup**

Indian Star archer Deepika Kumari equalled the world record in the woman's recurve event at the Archery World Cup in Shanghai. The 21-year-old's score of 686/720 equalled the record-breaking score of 686/720 set by South Korean archer Ki Bo-Bae in 2015.

**ICC suspends the Cricket Association of Nepal**

The Cricket Association of Nepal has been suspended by the International Cricket Council due to a 'vacuum of cricket leadership' in the country and also in view of government interference in the board.

**Sports Ministry To Provide Rs 1 lakh A Month To Rio-Bound Indian Athletes**

Union Sports Ministry has decided to provide one lakh rupees per month as out of pocket allowance to the sports persons under the Target Olympic Podium (TOP) scheme in their preparation for the Olympics and Paralympics Games at Rio de Janeiro.

**Mairaj Ahmed Khan Wins Silver Medal At ISSF World Cup of Shooting**

India Shooter Mairaj Ahmad Khan has won the Silver medal in the skeet event at the International Shooting Sport Federation (ISSF) Shooting World Cup in Rio de Janeiro. With this win, he became the first Indian to bag a medal in the event at a World Cup.

**Riyad Mahrez Became First African Footballer To Win PFA Player Of The Year.**

Riyad Mahrez has become the first African footballer to win the Professional Footballers Association's (PFA) Player of the Year award for the 2015–16 season.

**Indian Rower Dattu Bhokanal Qualified For Rio Olympics**

Indian rower Dattu Baban Bhokanal qualified for the 2016 Rio Olympics scheduled to be held in August 2016 in Rio de Janeiro, Brazil.

**India To Host 2018 Commonwealth Judo Championships**

India will host the 2018 Commonwealth Judo Championships in Jaipur. This was announced by the Judo Federation of India in a press release in New Delhi.

**Wrestler Sandeep Tomar Qualified For Rio Olympics**

Indian Wrestler Sandeep Tomar secured an Olympic quota place for India in the men's 57kg freestyle category with a bronze medal finish on the final day of the 1st World Olympic qualifying tournament at Ulaanbaatar, Mongolia.

**Rafael Nadal Wins 2016 Barcelona Open**

World number 5th, tennis player Rafel Nadal has won the 2016 Barcelona Open title of Tennis by defeating Kei Nishikori of Japan in the final match played in Barcelona, Spain.

**Salman Khan appointed as Goodwill Ambassador for 2016 Rio Olympics**

The Indian Olympic Association (IOA) has signed actor Salman Khan as the goodwill ambassador for the Indian contingent bound for the Rio Olympics. This is the first time when a Bollywood superstar appointed as goodwill ambassador for the Indian contingent at the Olympics.

## SCHEMES

**'Govt To Provide 5 Crore LPG Connections To BPL Families'**

The BJP-led National Democratic Alliance (NDA) is committed to achieve target of providing 5 crore LPG connections to Below Poverty Line (BPL) families under Pradhan Mantri Ujjawala Yojana (PMUY), said BJP national president Amit Shah while launching the second phase of PMUY from central Gujarat town Dahod.

**Himachal CM launches PEHAL programme**

Himachal Pradesh Chief Minister Virbhadra Singh has introduced PEHAL programme in Shimla district. The programme aim to expediting developmental works and government schemes through effective implementation at grassroots level. With this Shimla has become the 1st district in the state to launch such different programme to work as a team with the people.

**Union Government Launches ePACE, INFRACON And Up-Scaled INAM PRO For Road Transport Sector**

Union Minister of Road Transport & Highways and Shipping Nitin Gadkari has launched three initiatives for best practices in road transport sector. These three innovative IT initiatives are INFRACON, ePACE and up-Scaled INAM PRO. These initiatives are aimed at making the road building procedure faster, more transparent and more efficient. These innovative IT initiatives are developed in-house by National Highways and Infrastructure Development Corporation Ltd (NHIDCL).

- ePACE** : It stands for Projects Appraisal & Continuing Enhancements.
- INFRACON**: It is National Portal for Infrastructure Consultancy Firms and Key Personnel.
- INAM PRO**: It is a web-based application for Infrastructure and Material Providers launched in March 2015.

#### Odisha To Launch Green Passage Scheme For Orphan Students

The Odisha government has decided to launch Green Passage scheme for orphan students to ensure that they get free of cost higher education in the state.

A proposal of the higher education department in this regard, was approved by Chief Minister Naveen Patnaik. As per the scheme, orphan students pursuing higher education from Plus-II level to post-graduation level, will no longer have to bear the education expenses.

#### Ministry Of Environment & Forests Launches Web-Based Application On IWMS

The Ministry of Environment and Forests launched a web-based application on Integrated Waste Management System (IWMS). The system's web address is [www.iwms.nic.in](http://www.iwms.nic.in). The government launched the system for better management of waste. The user-friendly application is capable of tracking the movement of hazardous waste.

#### Odisha CM Launches DBT Scheme for Farmers

Odisha CM Naveen Patnaik has launched a 'Direct Benefit Transfer' scheme for the state's farmers and pledged digging of at least one lakh bore wells to improve irrigation facilities.

#### Andhra Pradesh CM launched Chandranna Bima Yojana

Andhra Pradesh CM N Chandrababu Naidu launched Chandranna Bima Yojana in Vijayawada. The Yojna launched on the occasion of May Day is an insurance scheme for the working class people. Under the scheme any insured worker who meets an accidental death and permanent disability will be paid 5 lakh rupees.

#### Piyush Goyal Launches 'UJALA' Scheme In Madhya Pradesh

Government of India's National Light-emitting diode (LED) programme – Unnat Jyoti by Affordable LEDs for All (UJALA) was launched in Madhya Pradesh by Chief Minister of Madhya Pradesh Shri Shivraj Singh Chouhan and Union Minister of State (IC) for Power, Coal and Renewable Energy Shri Piyush Goyal, at a function held in Bhopal.

#### PM Modi Launches Pradhan Mantri Ujjwala Yojana In UP

Prime Minister Narendra Modi launched the Pradhan Mantri Ujjwala Yojana (PMUY) at Ballia in Uttar Pradesh. The scheme aims to provide LPG connections without security deposit to 5 crore women from below poverty line (BPL) households over the next 3 years.

## MISCELLANEOUS

#### Six Army Mountaineers Successfully Scale Mt Everest

A team of six Indian Army mountaineers led by Lt Colonel Ranveer Jamwal successfully scaled Mount Everest. Concurrently, the Lhotse summit team led by Major Nooruddin Ahmed is attempting to summit Mount Lhotse, the fourth highest peak in the world at 8,501 metres.

#### Princess Park Complex Best Suited For National War Museum: Panel

The Union Cabinet approved the Princess Park Complex near India Gate for constructing the proposed National War Museum. The Empowered Apex Steering Committee had recently decided that Princess Park Complex would be the suitable site for the museum.

#### India Favourite Destination For B'deshis

India was the favourite tourist destination for Bangladeshis who topped the list of foreign tourists arrivals (FTAs) (18.09 per cent) followed by USA (12.24 per cent) and UK (9.58 per cent) in April 2016.

#### Manmadurai-Rameswaram Rail Track To Become 1st Green Corridor

Stepping up efforts to make rail tracks discharge free zones, the Indian Railway will convert into green corridor and zero toilet discharge section the nearly 114 km route between Rameswaram and Manmadurai in Tamil Nadu by the end of this month.

#### Anti-Hijacking Bill Passed In Rajya Sabha

The Rajya Sabha on Wednesday passed the Anti-Hijacking Bill, 2014, which provides for death penalty even if ground handling staff and airport personnel are killed during such acts.

#### Taj Mahal in Top 5th Tourist Attractions In The World And Second Position In Asia

The most iconic wonders of the world, the Taj Mahal has been voted among the top five tourist attractions in the world, second in Asia and led the popularity list in India, according to a leading

travel planning and booking site Trip Advisor, which put Machu Picchu in Peru and the Sheikh Zayed Grand Mosque Center in Abu Dhabi as the top two destinations for travellers.

#### **World's largest Single Rooftop Solar Power Plant inaugurated in Amritsar**

World's largest single rooftop solar power plant of 11.5 Mw capacity has been inaugurated by the Chief Minister of the Punjab, Parkash Singh Badal, at Dera Baba Jaimal Singh, Beas, in Amritsar, Punjab.

#### **Manzil Saini Becomes First Woman SSP Of Lucknow**

Uttar Pradesh government, appointed Manzil Saini as the new Senior Superintendent of Police (SSP) of state capital Lucknow.

#### **Indian Short Film 'Beti' To Be Screened At Seattle International Film Festival**

Beti, a non-fiction short film on girl child education, made by young student filmmakers of Chandigarh, has been invited for a special screening at the 42nd Seattle International Film Festival (SIFF), Washington DC. The movie is directed by Shivain Arora.

#### **Delhi No More the Most Polluted City In The World, Says WHO Report**

According to the new World Health Organisation (WHO) urban air quality database report based on data collected between 2008 and 2013, New Delhi was the 11th most-polluted city while 4 other Indian cities - Gwalior (2), Allahabad (3), Patna (6) and Raipur (7), figured in the top seven cities with worst air pollution. Zabol in Iran is the most polluted city in the world according to the database.

#### **World's largest cargo aircraft has landed in Hyderabad, India**

The world's largest cargo aircraft - Antonov An-225 Mriya has made its first landing in India at the Rajiv Gandhi International Airport, Hyderabad for refuelling. It stayed at the GMR-owned Shamshabad Airport for 20 hours.

#### **World's Oldest Ground-Edge Stone axe found In Australia**

Australian archaeologists has announced that they have discovered a piece of the world's oldest axe. The axe was discovered in the remote Kimberley region of Western Australia.

#### **Uday Kotak, only Indian in Forbes Most Powerful People in the Financial World list**

Uday Kotak, the chief of Kotak Mahindra Bank, is the only Indian in Forbes' list of 40 most powerful people in the financial world

who control the flow of trillions of dollars around the global economy. He is on rank 33 in the Forbes list of 'Money Masters : The Most Powerful People In The Financial World. The list is topped by the Blackstone Group's CEO Stephen Schwarzman.

#### **Indian Scientist Bags SGD 3 Million Grant From Singapore's NRF**

An Indian scientist from Uttar Pradesh's Gorakhpur city was awarded a grant of SGD 3 million (about 14.7 crore rupees) by Singapore's National Research Foundation (NRF). Dr. Manvendra K Singh announced that he is among the seven young scientists from across the world to be endowed with the Singapore NRF fellowship.

#### **Mahesh Sharma released a Commemorative coin on Maharana Pratap**

As a part of 475th Birth Anniversary celebrations of Maharana Pratap, Union Minister for Culture and Tourism Dr. Mahesh Sharma has released a Commemorative coin of Rs. 100 and a Circulation coin of Rs. 10 in New Delhi.

#### **China Bug Declared World's Longest Insect**

A bug over half a metre long discovered in southern China has been declared the world's longest insect.

#### **Three Indian Scientists Elected As Fellows Of The Royal Society**

Three Indian Scientist have been elected as the as Fellows of The Royal Society, a premier scientific academy of the United Kingdom and the Commonwealth. Their names had appeared on the list of 50 new fellows and 10 new Foreign Members announced by the Royal Society.

The Scientist are:

1. Physicist Sriram Ramaswamy
2. Biochemist Ramanujan Hegde
3. Applied mathematician Lakshminarayanan Mahadevan

#### **Bengaluru Tops the Chart of Online Learning In India: Coursera**

Bengaluru emerged as the top city in India for online learning with the highest number of registered learners, followed by Delhi, Mumbai, Chennai and Hyderabad.

#### **India's first online interactive portal Sahapedia Launched by the Union Government**

The Government of India has recently launched India's first online interactive portal named as Sahapedia, on the cultural heritage of the country. The portal is a collaborative knowledge resource on the arts, culture and heritage of India.

## Handy Notes English : Preposition

### Uses of "OF"

**Rule 1.** belonging to somebody; relating to somebody

**Examples:**

a friend **of** mine, the love **of** a mother for her child, the role **of** the teacher, Can't you throw out that old bike **of** Tommy's?, the paintings **of** Monet

\*When you are talking about everything someone has painted, written, etc. use **of**. When you are referring to one or more examples of somebody's work, use **by**: a painting **by** Monet

**Rule 2.** belonging to something; being part of something; relating to something:

**Examples:**

the lid **of** the box, the director **of** the company, a member **of** the team, the result **of** the debate

**Rule 3.** coming from a particular background of living in a place

**Examples:**

a woman **of** Italian descent, the people **of** Wales

**Rule 4.** concerning or showing somebody/something

**Examples:**

a story **of** passion, a photo **of** my dog, a map **of** India

**Rule 5.** used to say that somebody/something is, consists of, or contains

**Examples:**

the city **of** Dublin, the issue **of** housing, a crowd **of** people, a glass **of** milk

**Rule 6.** used with measurements and expressions of time, age etc

**Examples:**

2 kilos **of** potatoes, an increase **of** 2%, a girl **of** 12, the fourth **of** July, the year **of** his birth (old-fashioned) We would often have a walk **of** an evening.

**Rule 7.** used to show somebody/something belongs to a group, often after some, a few etc

**Examples:**

some **of** his friends, a few **of** the problems, the most famous **of** all the stars

**Rule 8.** used to show the position of something/somebody in space or time

**Examples:**

just north **of** Detroit, at the time **of** the revolution, at a quarter **of** eleven tonight (= 10.45 p.m.)

**Rule 9.** used after nouns formed from verbs. The noun after 'of' can be either the object or the subject of the action

**Examples:**

the arrival **of** the police, fear **of** the dark, the howling **of** the wind

**Rule 10.** used after some verbs before mentioning somebody/something involved in the action: to rob/deprive somebody of something.

**Examples:**

He was cleared **of** all blame, think **of** a number.

**Rule 11.** used after some adjectives before mentioning somebody/something that a feeling relates to

**Examples:**

to be ashamed **of**, proud **of** something

**Rule 12.** used to give your opinion of somebody's behavior

**Examples:**

It was kind **of** you to offer.

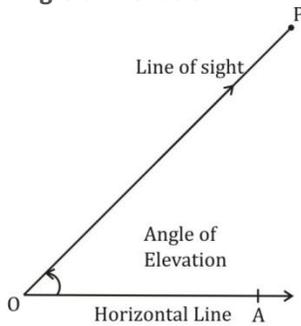
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# Handy Notes Advanced Mathematics : Height and Distance

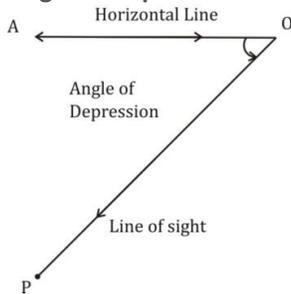
## 1. Angle of Elevation:



Suppose a man from a point O looks up at an object P, placed above the level of his eye. Then, the angle which the line of sight makes with the horizontal through O, is called the **angle of elevation** of P as seen from O.

$\therefore$  Angle of elevation of P from O =  $\angle AOP$ .

## 2. Angle of Depression:



Suppose a man from a point O looks down at an object P, placed below the level of his eye, then the angle which the line of sight makes with the horizontal through O, is called the **angle of depression** of P as seen from O.

[  $\therefore$  Angle of Elevation + Angle of Depression =  $90^\circ$  ]

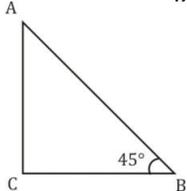
### Example

#### Type 1

1. A army man observes an enemy boat, from an observation tower at a height of 160 metre above sea level to be at an angle of depression of  $45^\circ$ . The distance of the boat from the foot of the observation towers is:

- (A) 180 m (B)  $180\sqrt{3}$  m  
(C)  $60\sqrt{3}$  m (D) 160 m

1. (d);  $\tan \theta = \frac{AC}{BC}$



$$\tan 45 = \frac{160}{BC}$$

$$1 = \frac{160}{BC}$$

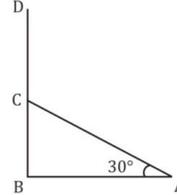
$$BC = 160$$

#### Type 2

2. In a storm, a tree got bent by the wind whose top meets the ground at an angle of  $30^\circ$ , at a distance of 30 meters from the root. What is the height of the tree.

- (a) 30 m (b)  $30\sqrt{3}$  m  
(c) 60 m (d)  $60\sqrt{3}$  m

2. (b); Since AC = CD



$\Delta ABC$

$$\tan 30 = \frac{BC}{AB}$$

$$BC = \frac{30}{\sqrt{3}}$$

$$\cos 30 = \frac{AB}{AC}$$

$$AC = 30 \times \frac{2}{\sqrt{3}}$$

$$AC = 30 \times \frac{2}{\sqrt{3}}$$

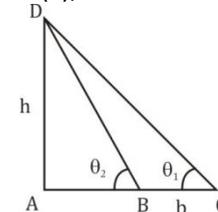
$$\text{total height of tree} = \frac{30}{\sqrt{3}} + \frac{60}{\sqrt{3}} = 30\sqrt{3}$$

#### Type 3

3. The angle of depression, from the top of light-house, of two boats are  $45^\circ$  and  $30^\circ$  towards the west. If the two boats are 12m apart, then the height of the light-house is:

- (a)  $6(\sqrt{3} + 1)$  m (b)  $(\sqrt{3} + 1)$  m  
(c)  $6(\sqrt{3} - 1)$  m (d)  $(\sqrt{3} - 1)$  m

3. (a); Given AD = h, BC = b



$$\text{Since } b = h(\cot \theta_1 - \cot \theta_2)$$

$$\text{Here } b = 12, \theta_1 = 30, \theta_2 = 45, h = ?$$

$$12 = h(\cot 30 - \cot 45)$$

$$12 = h(\sqrt{3} - 1)$$

$$h = \frac{12(\sqrt{3}+1)}{(\sqrt{3}-1)(\sqrt{3}+1)} = 6(\sqrt{3} + 1)$$

QUANT QUIZ

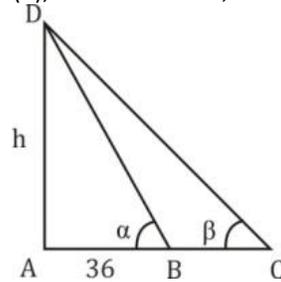
- The shadow of a 6 m high tower is 15 m and at the same point of time length of shadow of a tree is 25 m. What is the height of the tree?  
 (a) 21 m (b) 10 m  
 (c) 35 m (d) None of these
- The angles of elevation of the top of a tower from two points at a distance of 36 meter and 64 meter from the base of the tower and in the same straight line with it are complementary. What is the height of the tower?  
 (a) 50 meter (b) 48 meter  
 (c) 25 meter (d) 24 meter
- Two poles, one is double in length of other, are standing opposite to each other at a distance of  $y$  meter. If angle of elevation from mid point of the line joining their feet are complementary then what is the height of the shorter pole?  
 (a)  $\frac{y}{\sqrt{2}}$  (b)  $\frac{y}{2\sqrt{2}}$   
 (c)  $\frac{y}{2}$  (d)  $\frac{y}{\sqrt{2}+1}$
- From a point on the ground the angle of elevation of top of a house and top of a chimney surmounted on the house are respectively  $x^\circ$  and  $45^\circ$ . If height of the house is  $h$  meter then height of the chimney is?  
 (a)  $h \cot x + h$  (b)  $h \cot x - h$   
 (c)  $h \tan x - h$  (d)  $h \tan x + h$
- The height of a tower is 50 meter. When the Sun's altitude increases from  $30^\circ$  to  $45^\circ$ , the length of the shadow of the tower is decreased by  $x$  meter. Find the approximate value of  $x$  in meter?  
 (a) 36.6 m (b) 35.6 m  
 (c) 86.6 m (d) 36 m
- The shadow of a tower becomes 90 metres longer where the altitude of the sun changes from  $45^\circ$  to  $30^\circ$ . Then the height of the tower is:  
 (a)  $20(\sqrt{3} + 1)$  m (b)  $45(\sqrt{3} + 1)$  m  
 (c)  $30(\sqrt{3} + 1)$  m (d)  $30(\sqrt{3} - 1)$  m
- An aeroplane when flying at a height of 3125 m from the ground passes vertically below another plane at an instant when the angles of elevation of the two planes from the same point on the ground are  $30^\circ$  and  $60^\circ$  respectively. The distance between the two planes at that instant is:  
 (a) 6520 m (b) 6000 m  
 (c) 5000 m (d) 9375 m
- The angles of elevation of the top of a tower from two points A and B lying on the horizontal through the foot of the tower are respectively  $15^\circ$  and  $30^\circ$ . If A and B are on the same side of the tower and  $AB = 48$  m, then the height of the tower is:  
 (a)  $24\sqrt{3}$  m (b) 24 m  
 (c)  $24\sqrt{2}$  m (d) 96 m
- A telegraph post is bent at a point above the ground due to storm. Its top just meets the ground at a distance of  $8\sqrt{3}$  m

from its foot and makes an angle of  $30^\circ$ , then the height of the post is:

- (a) 16 m (b) 23 m  
 (c) 24 m (d) 10 m
- The angles of elevation of the top of a tower from the points P and Q at distances of 'a' and 'b' respectively from the base of the tower and in the same straight line with it are complementary. The height of the tower is  
 (a)  $\sqrt{ab}$  (b)  $\frac{a}{b}$   
 (c)  $ab$  (d)  $a^2b^2$

Solutions

- (b); For the shadow of 15 meter length, height of tower = 6 m  
 For the shadow of length 1 meter, height of tower =  $\frac{6}{15}m$   
 For the shadow of length 25 meter, height of tower =  $\frac{6}{15} \times 25 = 10m$
- (b); Here  $AB = 36, AC = 64, AD = h$ .



$$\tan \alpha = \frac{h}{36}$$

$$\tan \beta = \frac{h}{64}$$

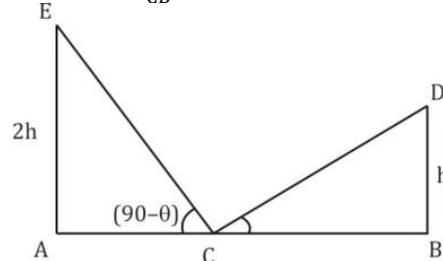
since,  $(\alpha + \beta) = 90$

$$\tan(90 - \alpha) = \frac{h}{64}$$

$$\cot \alpha = \frac{h}{64}$$

$$h = 48$$

- (b);  $\tan \theta = \frac{h}{CB}$

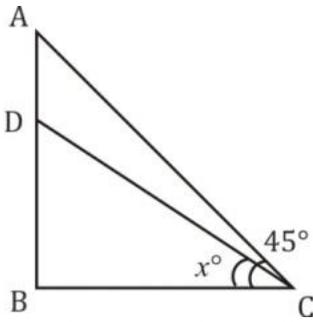


$$\tan(90 - \theta) = \frac{2h}{AC}$$

$$\tan \theta \cdot \cot \theta = \frac{h}{CB} \times \frac{2h}{AC} \left( AC = CB = \frac{y}{2} \right)$$

$$1 = \frac{2h^2}{\left(\frac{y}{2}\right)^2} \Rightarrow h = \frac{y}{2\sqrt{2}}$$

- (b); In figure  $BD =$  house,  $AD =$  Chimney



Let  $\angle DCB = x^\circ$ ,  $\angle ACB = 45^\circ$

If  $AD = y$ ,  $BD = h$

$\triangle ABC$  is a right angle and isosceles triangle,

$\therefore BC = AB = h + y$

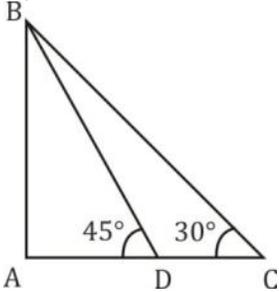
In  $\triangle BCD$

$$\cot x = \frac{BC}{BD} = \frac{h+y}{h}$$

$$\text{Or } h \cot x = h + y$$

$$y = h \cot x - h$$

5. (a);  $AB = 50$ ,  $CD = x$



$$b = h(\cot \theta_1 - \cot \theta_2)$$

$$x = 50(\cot 30 - \cot 45)$$

$$x = 50(\sqrt{3} - 1)$$

$$= 50(1.732 - 1)$$

$$= 36.6$$

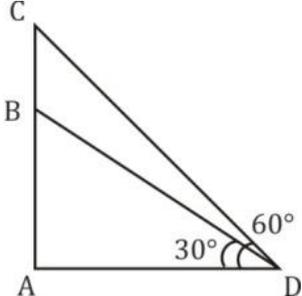
6. (b);  $b = h(\cot \theta_1 - \cot \theta_2)$

$$90 = h(\cot 30 - \cot 45)$$

$$90 = h(\sqrt{3} - 1)$$

$$h = \frac{90(\sqrt{3}+1)}{2} = 45(\sqrt{3} + 1)$$

7. (d);  $AB = 3125$  m



$$\tan \theta = \frac{AB}{AD}$$

$$AD = AB \cot \theta$$

$$= 3125\sqrt{3}$$

$$\cot 60 = \frac{AD}{AC}$$

$$AC = AD \cdot \tan 60$$

$$= 3125 \times \sqrt{3} \times \sqrt{3}$$

$$= 9375$$

8. (b); Here  $b = 48$ ,  $\theta_1 = 15$ ,  $\theta_2 = 30$

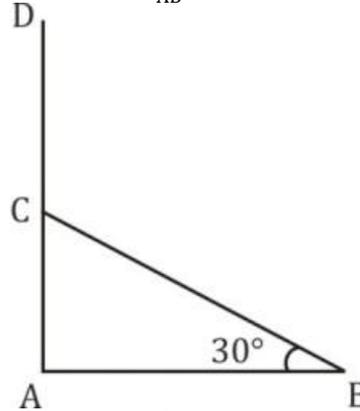
$$b = h(\cot \theta_1 - \cot \theta_2)$$

$$48 = h(\cot 15 - \cot 30)$$

$$48 = h[(2 + \sqrt{3}) - \sqrt{3}]$$

$$h = 24$$

9. (c);  $\tan 30 = \frac{AC}{AB}$



$$AC = 8\sqrt{3} \times \frac{1}{\sqrt{3}} = 8$$

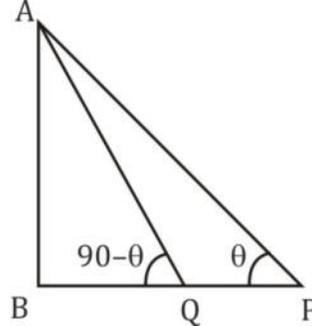
$$\sin 30 = \frac{AC}{BC}$$

$$\frac{1}{2} = \frac{8}{BC}$$

$$BC = 16$$

$$\text{Height of post} = (16 + 8) = 24 \{ (AC + BC) \}$$

10. (a); here  $AB = h$ ,  $BP = a$ ,  $BQ = b$



$$a = h \cot \theta$$

$$b = h \cot(90 - \theta)$$

$$b = h \tan \theta$$

$$h^2 \cdot \tan \theta \cdot \cot \theta = ab$$

$$h = \sqrt{ab}$$

## Handy Notes Reasoning: Inequalities

As we have announced in our previous month edition that we will provide handy notes of "Inequalities" in our "July" month edition. So, here we are with clear and detail concept of Inequalities.

- Inequalities is one of the topic where you can get full marks very easily. It is a common topic for all competitive exams. We can expect 3 to 5 questions from Inequality.
- Before discussing details for solving Inequalities questions, lets check the meaning of certain symbols in below table:

Symbol	Meaning
>	First element is greater than second element
<	First element is smaller than second element
=	First element is equal to second element
≥	First element is greater than or equal to second element
≤	First element is smaller than or equal to second element
≠	First element is either greater than or

- To check the different relationship, we are presenting some different statement and conclusions in below table. From given below table you will get clear concept of relationship between two letters.

S. No.	Statement	Conclusion	
1.	$A > B > C$	$A > C$	
2.	$A > B \geq C$		
3.	$A \geq B > C$		
4.	$A = B > C$		
5.	$A > B = C$	$A < C$	
6.	$A < B < C$		
7.	$A < B \leq C$		
8.	$A \leq B < C$		
9.	$A = B < C$		
10.	$A < B = C$		
11.	$A \geq B \geq C$	$A \geq C$ (Either $A > C$ or $A = C$ )	
12.	$A = B \geq C$		
13.	$A \geq B = C$		
14.	$A \leq B \leq C$	$A \leq C$ (Either $A < C$ or $A = C$ )	
15.	$A = B \leq C$		
16.	$A \leq B = C$		
17.	$A < B > C$	Either 1 or 2 follows if any of the following cases are given as they form a complementary pair.	
18.	$A \leq B > C$		
19.	$A < B \geq C$		
20.	$A > B < C$		
21.	$A > B \leq C$		
22.	$A \geq B < C$		
			a) 1. $A > C$ 2. $A \leq C$
			b) 1. $A \geq C$ 2. $A < C$
			c) 1. $A < C$ 2. $A \geq C$
			b) 1. $A \leq C$ 2. $A > C$

### Priority of Symbols :

1.  $> \geq =$
2.  $< \leq =$
3.  $> <$  (No relation)
4.  $> \leq$  (No relation)
5.  $< >$  (No relation)
6.  $< \geq$  (No relation)

- **Either- or case:** In equality it is very important condition. Mostly students make mistakes in this condition. For clear concept we are giving example of "either-or"
- 1<sup>st</sup> condition for "either-or" is both conclusions should be wrong.
- 2<sup>nd</sup> condition is that variables of both conclusions should be same.

### Eg. :

1. **Statement:**  $A \geq B = C$   
**Conclusion:** (a)  $A > C$  (b)  $A = C$   
(✗) (✗)

In above example, relation between A and C is  $A \geq C$ . But both the conclusions are wrong and both have same variables. And by combining both conclusions you will get the actual relation between A and C which comes from statement.

### Complicated case of "Either-or" :

- Statement:**  $H \geq M \leq V = K$   
**Conclusions:** (1)  $H < K$  (2)  $H > K$   
(✗) (✗)

In the above statement we cannot find the relation between H and K. There may be three possibilities of relation between H and K.

i.e. (a)  $H > K$  (b)  $H < K$  (c)  $H = K$   
 And we are getting all possibilities by combining both conclusions. So, this is also one case of "Either-or".

Questions based on inequality are of two types:

- (1) Direct Inequality
- (2) Indirect Inequality

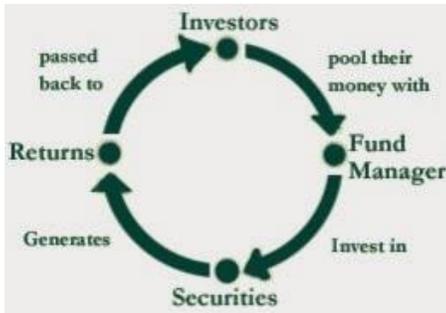
**This is Part I of handy notes..... next part will come in next month edition.....So stay connected with Competition Power.....**

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## Handy Notes Banking : A Brief on Mutual Funds

### What are Mutual Funds?

Mutual Fund is trusts which pool the savings of large number of investors and then reinvests those funds for earning profits and then distribute the dividend among the investors. In return for such services, Asset Management Companies charge



small fees.

Every Mutual Fund launches different schemes, each with a specific objective. Investors who share the same objectives invests in that particular Scheme. Each Mutual Fund Scheme is managed by a Fund Manager with the help of his team of professionals.

The mutual funds in India are governed by Association of Mutual Funds in India, the umbrella body for mutual funds, which is in turn governed by the Securities and Exchange Board of India. A diagrammatic representation to understand the Cycle”:

### Where does Mutual Funds usually invest their funds :

The Mutual Funds usually invest their funds in equities, bonds, debentures, call money etc., depending on the objectives and terms of scheme floated by MF.

### What is NAV ? Define NAV :

NAV means Net Asset Value. NAV is arrived at after deducting all liabilities (except unit capital) of the fund from the realisable value of all assets and dividing by number of units outstanding. Therefore, NAV on a particular day reflects the realisable value that the investor will get for each unit if the scheme is liquidated on that date. This NAV keeps on changing with the changes in the market rates of equity and bond markets. Therefore, the investments in Mutual Funds is not risk free.

### Some types of MF

Open ended funds are allowed to issue and redeem units any time during the life of the scheme, but close ended funds can not issue new units except in case of bonus or rights issue. Therefore, unit capital of open ended funds can fluctuate on daily basis (as new investors may purchase fresh units), but that is not the case for close ended schemes.

### What is the difference between Mutual Funds and Hedge Funds:

Hedge Funds are the investment portfolios which are aggressively managed and uses advanced investment strategies, such as leveraged, long, short and derivative positions in both domestic and international markets with a goal of generating high returns. In case of Hedged Funds, the number of investors is usually small and minimum investment required is large. Moreover, they are more risky and generally the investor is not allowed to withdraw funds before a fixed tenure.

### Various Entities of Mutual Funds:

- SPONSER:** Sponsor is the person who establishes the mutual fund. It can be a group of people or a single person.
- TRUST:** The Mutual Fund is constituted as a trust in accordance with the provisions of the Indian Trusts Act, 1882 by the Sponsor. The trust deed is registered under the Indian Registration Act, 1908.
- TRUSTEE:** Trustee is usually a company or a Board of Trustees. The main responsibility of the Trustee is to safeguard the interest of the unit holders and to ensure the interest of investors in accordance with the Securities and Exchange Board of India (Mutual Funds) Regulations, 1996.
- ASSET MANAGEMENT COMPANY (AMC):** The Trustee as the Investment Manager of the Mutual Fund appoints the AMC. The AMC is required to be approved by the Securities and Exchange Board of India (SEBI) to act as an asset management company of the Mutual Fund.
- REGISTRAR AND TRANSFER AGENT:** The AMC if so authorized by the Trust Deed appoints the Registrar and Transfer Agent to the Mutual Fund.
- NAV:** NAV or Net Asset Value is the market value of the assets per unit after deducting the liabilities.
- LOCK-IN PERIOD:** If investment is in equity linked saving schemes (ELSS) the lock in period is three years. Which means your money will remain locked in with the mutual fund company for a period of three years.
- SIP:** SIP or Systematic Investment Plan enables you to invest an amount on a regular basis and bring about a disciplined approach to investing.

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## Handy Notes GS (Polity): CITIZENSHIP

The provisions of citizenship are covered in Articles 5 to 11 of Indian Constitution and are included in Part II of the Constitution.

Article 5 refers to citizenship not in any general sense but to citizenship on the date of the commencement of the Constitution. Accordingly, at the commencement of the Constitution, every person who had his domicile in the territory of India and

- (a) who was born in India, or
  - (b) either of whose parents was born in India, or
  - (c) who had been ordinarily resident in India for not less than five years immediately preceding the commencement of the Constitution,
- was to be considered a citizen of India.

### The Citizenship Act, 1955

A comprehensive law dealing with citizens was passed by Parliament in 1955 in accordance with the powers vested in it by Article 11 of the Constitution. The provisions of the Act may be broadly divided into three parts, acquisition of citizenship, termination of citizenship and supplemental provisions.

### Acquisition of Citizenship

The Act provides five modes of acquiring the citizenship of India. These are:

(1) **By Birth:** Every person born in India on or after January 26, 1950, shall be a citizen of India by birth. There are two exceptions, to this rule, namely, children born to foreign diplomatic personnel in India and those of enemy aliens whose birth occurs in a place then under occupation by the enemy.

(2) **By Descent :** A person born outside India on or after January 26, 1950, shall be citizen of India by descent if his father or mother is a citizen of India at the time of his birth. Children of those who are citizens of India by descent, as also children of non-citizens who are in service under a government in

India, may also take advantage of this provision and become Indian citizens by descent, if they so desire, through registration.

(3) **By Registration :** Any person who is not already an Indian citizen by virtue of the provisions of the Constitution or those of this Act can acquire citizenship by registration if that person belongs to any one of the following five categories :

- (a) Persons of Indian origin who are ordinarily resident in India and who have been so resident for at least six months immediately before making an application for registration.
- (b) Persons of Indian origin who are ordinarily resident in any country or place outside undivided India;
- (c) Women who are, or have been, married to citizens of India;
- (d) Minor children of persons who are citizens of India; and
- (e) Persons of full age and capacity who are citizen of the Common wealth countries or the Republic of Ireland.

(4) **By Naturalisation :** Any person who does not come under any of the categories mentioned above can acquire Indian citizenship by naturalisation if his application for the same has been accepted by the Government of India and certificate is granted to him to that effect.

An applicant for a naturalisation certificate has to satisfy the following conditions:

- (a) He is not a citizen of a country which prohibits Indians becoming citizens of that country by naturalisation;
- (b) He has renounced the citizenship of the country to which he belonged;
- (c) He has either resided in India or has been in the service of a government in India, normally, for one year immediately prior to the date of application;
- (d) During the seven years proceeding the above mentioned one year, he has resided in India or been in the service of a government in India for a period amounting in the aggregate to not less than four years;
- (e) He is of good character;
- (f) He has an adequate knowledge of a language specified in the Constitution;
- (g) If granted a certificate, he intends to reside in India or enter into, or continue in service under a government in India.

Every person to whom a certificate of naturalisation is granted has to take an oath of allegiance solemnly affirming that he will bear true faith and allegiance to the Constitution of India as by law established, and that he will faithfully observe the laws of India and fulfill his duties as a citizen of India.

(5) **By Incorporation of Territory** : If any territory becomes part of India, the Government of India, by order, may specify the persons who shall be citizen of India by reason of their connection with that territory.

### Termination of Citizenship

The Act envisages three situations under which a citizen of India may lose his Indian nationality. These are:

(1) **By Renunciation**: If any citizen of India who is also a national of another country renounces his Indian citizenship through a declaration in the prescribed manner, he ceases to be an Indian citizen of registration of such declaration. When a male person ceases to be a citizen of India, every minor child of his also ceases to be a citizen of India. However, such a child may within one year after attaining full age, becomes Indian citizen by making a declaration of his intention to resume Indian citizenship.

(2) **By Termination**: Any person who acquired Indian citizenship by naturalisation, registration or otherwise,, of he or she voluntarily acquired the citizenship of another country at any time between January 26, 1950, the date of commencement of the Constitution, and December 30, 1955, the date of commencement of this Act, shall have ceased to be a citizen of India from the date of such acquisition.

(3) **By Deprivation**: The Central Government is empowered to deprive a citizen of his citizenship by issuing an order under 10 of the Act. But, this power of the Government may not be used in case of every citizen; it applies only to those who acquired Indian citizenship by naturalisation or by virtue only of clause (c) of Article 5 of the Constitution or by registration. The possible grounds of such deprivation are : obtaining of a citizenship certificate by means of fraud, false representation, concealment of any

material fact; disloyalty of disaffection towards the Constitution shown by act or speech; assisting an enemy with whom India is at war; sentence to imprisonment in any country for a term of not less than two years within the first five years after the acquisition of Indian citizenship and continuous residence outside Indian for a period of seven years without expressing in a prescribed manner his intention to retain his Indian citizenship.

The Act also provides for reasonable safeguards in order to see that a proper procedure is followed in every case of deprivation of citizenship.

### Single Citizenship

The most important aspect of the constitutional provisions dealing with citizenship is that it has established a unified or single system of citizenship law for the whole country. A citizen of India is accepted legally as a citizen in every part of the territory of India with almost all the benefits and privileges that attend such a status.



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## Handy Notes Computer: Important Computer Terminologies

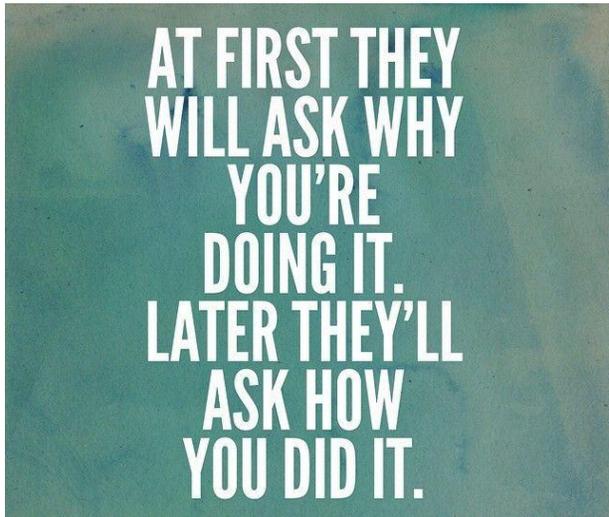
- 1. Bluetooth:** A protocol that permits a wireless exchange of information between computers, cell phones, and other electronic devices within a radius of about 30 feet.
- 2. Boilerplate:** Standard wording (for example, sentences or paragraphs in form letters or clauses in legal documents) that is held in storage. When needed, it can be used as is, with minor modification, or in combination with new material to produce tailor-made documents.
- 3. Boot (short for bootstrap) :**To start a computer and load the operating system to prepare the computer to execute an application.
- 4. Bozo filter :** A program that screens out unwanted e-mail or other messages from individuals or organizations you no longer want to hear from.
- 5. Bricks-and-clicks :** Refers to a traditional business with a Web site.
- 6. Bricks-and-mortar :** Refers to a traditional business that sells merchandise only in stores.
- 7. Brochureware :** A product that is being actively marketed, even though the product is not yet (and may never be) ready for sale.
- 8. B2B :** Business-to-business (online transactions).
- 9. B2C :** Business-to-consumer (online transactions).
- 10. B2G :** Business-to-government (online transactions).
- 11. Buffer :** A holding area in memory that stores information temporarily. Also called cache.
- 12. Bug :** A software defect that causes a program to malfunction or cease to operate. Some writers now use bug to refer to hardware problems as well.
- 13. Bulletin board system (BBS) :** An online information system, usually set up by an individual (called a system operator, or SYSOP) on a nonprofit basis for the enjoyment of other individuals with similar interests.
- 14. Bundled software:** Software that is sold along with a computer system; several software programs that are packaged together (also called software suites).
- 15. Burn:** To record information on a disc such as a CD-R, a CD-RW, a DVD-R, or a DVD-RW.
- 16. Bus :** A pathway along which electronic signals travel between the components of a computer system.
- 17. Byte (B) :** An acronym for binary term. The sequence of bits that represents a character. Each byte has 8 bits.
- 18. Cancelbot (from cancel robot) :** A program that detects spamming in newsgroups and automatically issues a cancel command.
- 19. Carpal tunnel syndrome :** A wrist or hand injury caused by using a keyboard for long periods of time. A type of repetitive strain injury (RSI). (See also Mouse elbow.)
- 20. CD-R :** Compact disc-recordable.
- 21. CD-ROM :** An acronym derived from compact disc-read-only memory. A form of optical storage. One compact disc can hold up to 250,000 text pages; it can also be used to store graphics, sound, and video.
- 22. CD-RW :** Compact disc-rewritable.
- 23. Cell :** A box or rectangle within a table or spreadsheet where a column and a row intersect; an area in which information can be entered in the form of text or figures.
- 24. Central processing unit (CPU) :** The brains of an information processing system; the processing component that controls the interpretation and execution of instructions. (See also Motherboard.)
- 25. Character :** A single letter, figure, punctuation mark, or symbol produced by a keystroke on a computer. Each character is represented by a byte.

## COMPUTER MISCELLANEOUS : Practice Set

1. Which type of software manages the computers processes, functioning as an interface, connecting the user, the application software user, the application software and the hardware?
  - a) System software
  - b) Utility program
  - c) Translator program
  - d) Operating system
  - e) None of the above
2. All of the following terms are associated with spread sheet software except?
  - a) Worksheet
  - b) cell
  - c) formula
  - d) Virus detection
  - e) All of the above
3. \_\_\_\_\_ is the process of finding errors in software code?
  - a) Compiling
  - b) Testing
  - c) Running
  - d) Debugging
  - e) None of the above
4. A single application that combines the major features of several types of application is called?
  - a) Integrated software
  - b) A suite
  - c) A combo package
  - d) High- end
  - e) None of the above
5. Application software?
  - a) Is used to control the operating system
  - b) Is designed to help programmers
  - c) Performs specific task for computer users###
  - d) Is used for making design only
  - e) All of the above
6. Hub is a term used with?
  - a) A Star Networks
  - b) A Ring Networks
  - c) A Bus Network
  - d) A Bridge Network
  - e) None of the above
7. A \_\_\_\_\_ is anything that can cause harm.
  - a) vulnerability
  - b) phish
  - c) Spam
  - d) threat
  - e) None of the above
8. A \_\_\_\_\_ is a small program embedded inside of a GIF image.
  - a) web bug
  - b) cookie
  - c) spyware application
  - d) spam
  - e) None of the above
9. The color of an object is an example of a (n) \_\_\_\_\_.
  - a) attribute
  - b) detail
  - c) listing
  - d) specification
  - e) None of the above
10. A (n) \_\_\_\_\_ file contains information in an indexed and cross-linked format.
  - a) executable
  - b) initialization
  - c) help
  - d) Bookmark
  - e) None of the above
11. To protect the computer from hacker intrusions.....must be installed.
  - a) Firewall
  - b) Mailer
  - c) Script
  - d) Yahoo Messenger
  - e) None of the above
12. Which of the following is known as non-volatile memory?
  - a) Hard Disk
  - b) Floppy Disk
  - c) CD-ROM
  - d) DVD-ROM
  - e) All of the above
13. To see the document before the printout is taken, use.....?
  - a) Insert Table
  - b) Paste
  - c) Format Painter
  - d) Cut
  - e) Print Preview
14. Which of the following is not a term related to the World Wide Web?
  - a) Hyperlink
  - b) Hypertext
  - c) Website
  - d) Homepage
  - e) Keyboard
15. Which of the following is another name for pre-programmed formula in Excel?
  - a) Range
  - b) Graph
  - c) Function
  - d) Cell
  - e) None of the above

### Answers:

- |    |   |
|----|---|
| 1  | d |
| 2  | d |
| 3  | b |
| 4  | a |
| 5  | c |
| 6  | a |
| 7  | d |
| 8  | a |
| 9  | a |
| 10 | c |
| 11 | a |
| 12 | e |
| 13 | e |
| 14 | e |
| 15 | c |



AT FIRST THEY  
 WILL ASK WHY  
 YOU'RE  
 DOING IT.  
 LATER THEY'LL  
 ASK HOW  
 YOU DID IT.

## सफलता दो कदम दूर खड़ी इन्तजार कर रही है.....

कई बार हम अपने काम की शुरुआत तो बड़े उत्साह से करते हैं लेकिन इसके कुछ समय बाद ही हमारा उत्साह कम होता जाता है और फिर इसका



नतीजा यह निकलता है कि हम उस काम को या तो सही ढंग से नहीं करते या उसे अधूरा छोड़ देते हैं। हमारे साथ ऐसा जब होता है जब हमारे मोटिवेशन या प्रेरणा में कमी होती है। किसी भी काम को अच्छे से करने के लिए या किसी लक्ष्य को प्राप्त करने के लिए हमें मोटिवेशन की बहुत जरूरत होती है। हमें इसका कोई न कोई उचित कारण पहचानने, अपनी पूर्ण इच्छाशक्ति के बारे में जाने हम कोई काम बेहतर तरीके से नहीं कर सकते। इसके लिए हमें अपनी क्षमताओं को पहचानना होगा। हम वास्तव में जिस प्रकार की क्षमता रखते हैं उसी रूप में हम संतोष पाते हैं। क्षमता के अनुसार काम करने से हमें अपने जीवन को सफल बनाने का मार्ग मिल जाता है अन्यथा हम यूँ ही जीवन व्यर्थ कर देते हैं। इस विचार को हम इस छोटी सी कहानी से समझ सकते हैं—

एक बार एक बाज का अंडा मुर्गी के अण्डों के बीच आ गया। कुछ दिनों बाद उन अण्डों में से चूजे निकले। उन्हीं में बाज का बच्चा भी था। वह उन्हीं के बीच बड़ा होने लगा और वही सब करता जो बाकी चूजे करते, मिटटी में इधर-उधर खेलता, दाना चुगता और दिन भर उन्हीं की तरह चूँ-चूँ करता। बाकी चूजों की तरह वो भी बस थोड़ा सा ही ऊपर उड़ पाता, और पंख फड़-फड़ाते हुए नीचे आ जाता। एक दिन उसने एक बाज को खुले आकाश में उड़ते हुए देखा, बाज बड़े शान से कलाबाजियाँ खाता उड़ रहा था। तब उसने बाकी चूजों से पूछा, "इतनी उंचाई पर उड़ने वाला वो शानदार पक्षी कौन है?" तब चूजों ने कहा— "वो बाज है, पक्षियों का राजा, वो बहुत ही ताकतवर और विशाल है, लेकिन तुम उसकी तरह नहीं उड़ सकते क्योंकि तुम तो एक चूजे हो!" बाज के बच्चे ने इसे सच मान लिया और कभी वैसा बनने की कोशिश नहीं की। वह जिन्दगी भर चूजों की तरह रहा और एक दिन बिना अपनी असली ताकत पहचाने ही मर गया।

इस कहानी से हमें सीख मिलती है कि बहुत से लोग उस बाज के बच्चे की तरह ही अपनी असली ताकत जाने बिना एक साधारण जिंदगी जीते रहते हैं और अंत में वैसे ही मर जाते हैं। कभी-कभी हम दूसरों को देखकर भी ये मान लेते हैं कि हम उनके जैसे नहीं बन सकते। जबकि वास्तविकता यह है कि हमसे पहले जिस किसी ने भी कोई काम किया है हम भी उसे कर सकते हैं। केवल जरूरत होती है अपनी ताकत को जानने की, अपनी क्षमताओं को पहचानने की। यदि एक बार हम अपनी ताकत को, अपनी प्रतिभा को, अपनी क्षमताओं को पहचान लें तो हमें बुलंदियों तक पहुँचने से कोई नहीं रोक सकता। इसके लिए हमें खुद में कुछ बदलाव लाने की जरूरत है जिससे कि हम मोटिवेशन के साथ-साथ पूरी क्षमता अपने जीवन में सफलता पाएं। ये कुछ ऐसे तरीके हैं जो हमें जीवन में आगे बढ़ने में मदद करते हैं—

**1. सोच बदलें, सकारात्मक बनें :** जो विचार आपको परेशान कर रहे हैं, आपको आगे बढ़ने से रोक रहे हैं या जिन चीजों या नकारात्मक विचारों की वजह से आप आगे नहीं बढ़ पा रहे हैं उन्हें पहचानिये। उन नकारात्मक विचारों या नकारात्मक चीजों को अपने अंदर से निकालकर उनको सकारात्मक विचारों से बदल दीजिये। किसी परीक्षा का नजदीक आते जाना, परिणाम की उल्टी गिनती या साक्षात्कार का भय कुछ ऐसी घटनाएँ हैं जो दिल की धड़कने बढ़ा देती हैं। हममें से अधिकांश लोगों में एक सामान्य डर समाया हुआ है— 'तो क्या होगा'। मेरी परीक्षा अच्छी नहीं रही तो क्या होगा? यदि उन्हें मेरा जवाब पसंद नहीं आया तो क्या होगा? मुझे नौकरी नहीं मिली तो क्या होगा? ऐसे नकारात्मक विचारों को छोड़ बस अपने प्रदर्शन पर ध्यान दें और सकारात्मक सोचें। अपने आदर्श या उस क्षेत्र के सफल व्यक्ति के बारे में सोचें कि "जब वे कर सकते हैं तो मैं क्यों नहीं"।

**2. बड़ा लक्ष्य बनाइयें :** कई छोटे छोटे लक्ष्य बनाने से अच्छा है एक बड़ा और लक्ष्य बनायें। फिर उस बड़े लक्ष्य को छोटे छोटे लक्ष्यों में बाँटकर उनके लिए समय निर्धारित करें। फिर सही प्लानिंग और मेहनत के साथ उन छोटे छोटे लक्ष्यों को निर्धारित समय में पूरा करें। जैसे-जैसे आप छोटे छोटे लक्ष्यों को पूरा करते जायेंगे आपका उत्साह और आप खुद को और मोटिवेट पाएंगे फिर एक दिन आप अपने बड़े लक्ष्य को प्राप्त कर लेंगे।

**3. खुद में विश्वास जगाएं , प्रोत्साहित करें:** अगर आप किसी लक्ष्य को पूरा कर लेते हैं या कोई अच्छा काम करते हैं तो खुद की पीठ थपथपाइये और खुद को बेहतर भविष्य के लिए प्रोत्साहित करें। खुद पर विश्वास करें। इससे आपमें आत्मविश्वास पैदा होगा। आप स्वयं को उत्साही महसूस करेंगे।

**4. अपनी आलोचनाओं का स्वीकार करें:** यह सच है कि किसी भी व्यक्ति को अपनी आलोचना पसंद नहीं होती लेकिन दूसरे व्यक्ति आपकी जो भी आलोचना करते हों, उन्हें स्वीकार करें। एक तरह से यह ऐसी सूचना और स्रोत होते हैं जो हमारी कमियों को सामने लाते हैं और उन पर हमें फोकस कर बेहतर बनना होता है। इससे आपको लाभ ही होता है।

**5. प्रयास करते रहें, हिम्मत न हारें :** यह जरूरी नहीं कि आप हमेशा हर काम में सफलता ही पाएं। कभी कभी अन्य कारणों या परिस्थितियों से भी आप डिमोटिवेट हो सकते हैं। दरअसल, हमारे जीवन में उतार चढ़ाव लगे रहते हैं। लेकिन कभी हिम्मत न हारें। चाहे कुछ भी हों जाये , बस आप प्रयास करते रहें। अपने लक्ष्य को पाने का दृढ़ निश्चय बनाएं। हमेशा अपने दिमाग में ये बात रखें कि मुझे हर हाल में, हर कीमत पर अपने लक्ष्य को प्राप्त करना है , अपनी मंजिल को पाना है।

**6. किसी को अपना आदर्श बनाएं:** अपने जीवन में किसी न किसी व्यक्ति को अपना आदर्श बनाएं फिर वह चाहे आपके पिता, शिक्षक या कोई अन्य शख्सियत जैसे एपीजे कलाम, तेंदूलकर आदि आप जिसके भी जैसा बनना चाहें। उनके जीवन से प्रेरित हों, उनके अनुभवों को जानें। मेहनत और लगन के साथ उनका अनुसरण करें। खुद पर भरोसा रखें।

**7. अच्छे लोगों से मिलें:** हमेशा ऐसे लोगों से मिलें, उनके बीच रहें जो हमेशा सकारात्मक बातें करते हों। जिनका अपना एक लक्ष्य हो और जो आपको भी प्रेरित कर सकें। ऐसे लोगों से हमेशा दूर रहें जो आपके काम में बेवजह कोई न कोई कमी निकालने की कोशिश करते रहें या आपका मजाक बनायें या आपको नीचा दिखाने की कोशिश करें। जिनकी सोच नकारात्मक हो।

**8. मनोरंजन करें :** अपने आपको उत्साही, मोटिवेटेड बनाये रखने के लिए अपना मनोरंजन करें जिससे आपके मन में शांति का आभास हो। इसके लिए अपनी पसंद के गाने सुनें ,अच्छी किताबें पढ़ें, अच्छी फिल्में देखें। ऐसा करके आपका मन खुश रहेगा और आपका मन भ्रमित नहीं होगा।

जब आप इन सभी विचारों को अपने जीवन में अमल करते हुए बढ़ेंगे तो आप पाएंगे कि आप पहले से अधिक सकारात्मक हैं। और जब आप सकारात्मक जीवन जीते हैं जो किसी भी लक्ष्य को पाने की राह आसान होती दिखने लगती है। नया आत्मविश्वास जागता है। लक्ष्य पाने के लिए लगातार प्रयास करते रहने की आवश्यकता होती है। इसलिए, अपने हर प्रयास को इस प्रकार देखें जैसे वह आपका अंतिम प्रयास हो।



## HINDU REVIEW : MAY 2016

1. Prime Minister Narendra Modi has launched the country's first solar powered e-boats at the Assi Ghat in the river Ganga, Varanasi.
2. Prime Minister Narendra Modi has launched the Pradhan Mantri Ujjwala Yojana (PMUY) at Ballia, Uttar Pradesh. It will benefit the poor, especially the women. The scheme aims to provide cooking gas connections to five crore below-poverty-line beneficiaries over the next three years.
3. Employees' Provident Fund Organisation (EPFO) has launched a special drive 'One Employee-One EPF' to encourage EPF members to consolidate their multiple accounts.
4. All four Southern languages - Tamil, Telugu, Kannada, Malayalam and Odia are now the classical languages of India.
5. India and New Zealand has signed a bilateral air services agreement that would facilitate the operation of direct flights between two countries. The deal was signed in the presence of the President Pranab Mukherjee, who was on a three-day state visit to New Zealand and the New Zealand Prime Minister John Key.
6. National Bank for Agriculture and Rural Development (NABARD) has entered into collaboration with German government for a special programme on 'Soil Protection and Rehabilitation for Food Security'. The programme is part of the German government's recently introduced special initiative 'One World, No Hunger' initiative.
7. Paytm, India's largest mobile payments has partnered with the Wipro Ltd, an IT services major, to implement technology infrastructure for its upcoming Payment bank business.
8. Airtel, the enterprise arm of Bharti Airtel and networking player GBI has announced the partnership to increase its direct reach in West Asian countries.
9. IT services company Wipro has inaugurated Saudi Arabia's first all women business and technology park (WBP) at the Princess Nourah Bint Abdulrahman University in Riyadh.
10. Anil Ambani-led Reliance Defence has received 15 new industrial licences to manufacture a range of defence equipment.
11. The Jammu and Kashmir government has signed an MoU with the Indian Institute of Technology (IIT) Delhi for setting up an IIT in Jammu.
12. Australian entrepreneur Craig Wright has reportedly confirmed that he created digital payment system bitcoins and provided technical proof for his claims.
13. 1982 batch IAS officer of Himachal Pradesh Cadre Ajay Mittal took charge as the Information and Broadcasting Secretary. He succeeded Sunil Arora.
14. The Formula One championship leader Nico Rosberg has won the Russian Grand Prix in Sochi. It's his fourth-straight win of this season.
15. Star Indian pugilist Vijender Singh recorded his 5th consecutive victory in Professional Boxing. He defeated Frenchman Matiouze Royer at London's Copper Box Arena via knock-out.
16. The World Press Freedom Day (3rd May) was observed across the world with the theme Access to Information and Fundamental Freedoms - This Is Your Right!
17. Parliament has passed Mines and Minerals (Development and Regulation) Amendment Bill, 2016. The bill will allow transfer of captive mines from one allotted to another without auction.
18. Union government has launched an initiative named MICE which is based on meetings, incentives, conferences and exhibitions for the up gradation of tourism sector in India. As per this initiative, Tourism Ministry allocated funds to the States and Union Territories' administrations to develop tourism-related infrastructure.
19. The Union Ministry of Railways and Forest Department of Haryana & Punjab have inked Memorandum of Understanding (MoU) for plantation of trees alongside Railway Track on Railway Land Boundary.
20. Andhra Pradesh Chief Minister N. Chandrababu Naidu has inaugurated an insurance scheme 'Chandranna Bima Yojana' for the working class people. Under the scheme, 5 Crore workers would be covered under the scheme, 5 Lakh would be paid if the Insurer worker met with an accidental fatal and 5 Lakh for Permanent disability and Rs. 3 Lakh for Partial disability.
21. The ADMM-Plus (ASEAN Defence Ministers' Meeting Plus) Exercise on Maritime Security and Counter Terrorism (Ex MS & CT) has started in Brunei. The nine day exercise seeks to strengthen the strong bilateral ties and extensive maritime interactions between India and ASEAN countries.
22. An American multinational technology company, Google has acquired a business technology start-up 'Synergys' founded by an Indian-origin entrepreneur as part of its

- plans to scale training offerings for Google Apps to its customers and customers' users.
23. State-run Bharat Heavy Electricals Ltd (BHEL) has announced the commissioning of a 600 MW coal-based thermal power plant in Madhya Pradesh.
  24. Indian American Sikh woman from California, Harmeet Kaur Dhillon has been elected to an important position in the Republican party at the US national level. She was elected as the newest national committee woman of the Republican National Committee.
  25. Three eminent Indian Born scientists listed in the fifty scientists elected as Fellows of the Royal Society, a premier scientific academy of the U.K and the Commonwealth. They are- Physicist Sriram Ramaswamy, Director of TIFR Centre for Interdisciplinary Sciences, Hyderabad, 2nd - Biochemist Ramanujan Hegde, MRC Laboratory of Microbiology, U.K. and 3rd - Applied mathematician Lakshminarayanan Mahadevan, Harvard University.
  26. Future Group's Chief Executive Kishore Biyani has been appointed managing director of Bharti Retail as part of the reconstitution of the board following their merger pact announced last year.
  27. Rohit Sharma became the Brand Ambassador of world famous Swiss luxury watch maker Hublot.
  28. Cricket legend Sachin Tendulkar has agreed to become India's Olympic goodwill ambassador, along-with actor Salman Khan and Shooter Abhinav Bindra.
  29. BCCI has nominated Indian Test captain Virat Kohli for the prestigious Rajiv Gandhi Khel Ratna Award and his teammate Ajinkya Rahane for Arjuna Award. These nominations by BCCI have come after a gap of four years.
  30. Leicester City striker forward Jamie Vardy was named 2015-16 Footballer of the Year by the Football Writers Association (FWA).
  31. The Lok Sabha passed the Compensatory Afforestation Fund Bill, 2015 for the establishment of funds under the public accounts of Centre and each State towards compensatory afforestation. The bill seeks to establish the National Compensatory Afforestation Fund under the Public Account of India and a State Compensatory Afforestation Fund under the Public Account of each state.
  32. According to IMF, Financial inequality is highest in India and China among Asia Pacific countries despite the two being among the fastest growing economies.
  33. Coal and Power Minister Piyush Goyal has introduced a new portal for Contract Labour Payment Management System. The portal provides access to all contract workers, through a Workers Identification Number (WIN), to view their personal details and payment status.
  34. Commerce Ministry has launched a web-based dashboard to provide an easy access to detailed trade data of the country. The dashboard will provide an accurate perspective to the general public on the facts around the trade performance in India.
  35. To mark the 155th birth anniversary of Rabindranath Tagore, India will organize a cultural festival in Egypt. It will build the connections between the people of the two countries who share strong cultural bonds.
  36. The world's smallest engine has been created at Cambridge University by UK based researchers. The engine is fueled by lasers and gold and a few billionths of a metre in size, which uses lights to power the engine.
  37. NSE, the national stock exchange is all set to launch a new trade receivable and credit exchange platform for micro, small and medium enterprises (MSMEs).
  38. An international team of scientists have discovered a trio of Earth-like exo-planets using the TRAPPIST telescope at ESO's La Silla Observatory. These planets were found orbiting an ultra-cool dwarf star just 40 light-years from Earth and are likely comparable in size and temperature to Earth and Venus. Scientists have named the ultra-cool dwarf star 2MASS J23062928-0502285 (also known as TRAPPIST-1).
  39. JSW Energy Ltd, led by Mr. Sajjan Jindal has agreed to buy a 1,000 MW power plant of Jindal Steel and Power Ltd's (JSPL), which is located in Chhattisgarh.
  40. Uber, the online cab service provider has announced its global partnership with the third party payment platform, Alipay. With the help of this partnership, Uber will be able to provide its service in more than 400 cities globally.
  41. Italian sports car manufacturer Ferrari has appointed its Chairman Sergio Marchionne as the new CEO with "immediate effect". He replaced 69-year-old Amedeo Felisa.
  42. Sameer Chadha appointed as the partner and Chief Executive Officer (CEO) of KPMG's offshore arm in India.
  43. Nihal Bitla, who was suffering from the rare genetic condition progeria, died in a hospital in Telangana at the age of 15 years. The disease aged him eight times faster than normal children thus shortening his life span.
  44. England's world number one Mark Selby won World Championship title of Snooker. In the final match played in Sheffield, Selby from Leicester defeated China's Ding Junhui 18-14.

45. Vice-Admiral Sunil Lanba will be the next chief of the Indian Navy. He will take over from current Navy Chief Admiral R K Dhowan.
46. The 49th Annual General Meeting of ADB is being held from May 2-5 at Frankfurt, Germany. The Indian Finance Minister Mr. Arun Jaitley has also reach there to attend the ADB's board of governors meet.
47. The Empowered Steering Committee (ESC) of the National Ganga River Basin Authority (NGRBA) has approved projects for Development of Ghats. The total estimated cost of the projects is Rs. 2446 crores.
48. Reliance power is all set to setup a power plant in Bangladesh as it got the approval for the first phase of Reliance Power's project. As per the approval, the company will set a 3,000 MW gas based power plant.
49. Kotak Mahindra Bank Ltd has became the fourth bank to open its IFSC Banking Unit (IBU) at International Financial Services Centre (IFSC) in Gujarat International Finance Tec-City (GIFT) City. IFSC is the India's first and only financial centre.
50. IREDA, the state run Indian Renewable Energy Development Agency can be converted into a Green Bank to enable its access funding from overseas banks.
51. The Minister of state for Finance Jayant Sinha has stated that there were 7,686 willful defaulters owing Rs 66,190 crore to state-owned banks as of December 2015.
52. Corporation Bank has been awarded 'excellence award on empowering MSMEs' by the Federation of Industry, Trade and Services (FITS).
53. The European Central Bank (ECB) has announced that it will permanently stop producing the 500 euro banknote by the end of 2018.
54. The University of Montreal researchers created a programmable DNA (Deoxyribonucleic acid) thermometer that is 20,000x smaller than human hair.
55. Indian Information Service (IIS) officer Bhupendra Kainthola has been appointed as the Director of Film and Television Institute of India (FTII) or a term of 3 years. He replaces Prashant Pathrabe.
56. Mexican diplomat Patricia Espinosa selected as the next executive secretary of UNFCCC. UNFCCC is United Nations Framework Convention on Climate Change. She will replace the incumbent Christiana Figueres when her term ends in July.
57. Late director Yash Chopra, who captured the verdant Swiss valley in his films, has been honoured with a special statue by the Switzerland government.
58. Seven Indian shuttlers have booked their berth for the upcoming Rio Olympics, scheduled in August.
59. The Lok Sabha has passed the Insolvency and Bankruptcy Code Bill 2016, which is seen as a "transformational" legislation that will help to improve India's ranking in the World Bank's 'Ease of Doing Business' index. It aims to defuse the crisis of the looming bad loans in the banking sector and also to cover individuals, companies, and partnership firms.
60. Railway Minister of India Suresh Prabhu remotely flagged off two new train services for Jammu and Kashmir from the Rail Bhawan in New Delhi. These trains will play on the Banihal-Baramulla-Budgam route.
61. Harita-Priya Agriculture Project of Andhra Pradesh has won the prestigious World Summit on the Information Society (WSIS) 2016 prize in the e-Agriculture category.
62. The Union Cabinet has apprised of the Memorandum of Understanding (MoU) between India and Qatar for promoting bilateral cooperation in the field of Information Communication Technology (ICT).
63. The country's largest bank, State Bank of India has launched a mobile payment solution that will enable customers to make digital payments at offline stores by scanning a QR (quick response) code on their smartphones at merchant outlets.
64. The largest private sector bank of India, ICICI bank has become the first financial institution in the country to tie up with the New Development Bank to explore opportunities around bond issuance, co-financing, treasury management and human resources.
65. E-commerce marketplace Snapdeal has acquired Gurgaon-based predictive marketing technology startup Targeting Mantra for an undisclosed amount.
66. Zimbabwe is all set to introduce its own version of US dollars in order to ease a cash shortage in the country.
67. Google has entered into a partnership with telecommunications major Idea Cellular to offer direct carrier billing in India. Idea users would now be able to make purchases on Google Play Store directly through their postpaid and prepaid accounts.
68. Indian author and Social Science professor from India Prashar Kulkarni has won the Commonwealth Short Story Prize for 2016, in the Asia region for his "politically grounded, funny" fiction 'Cow and Company' about four men in search of a cow.
69. Sudhir Yadav, the 1985 batch IPS officer of the Delhi police, was appointed as the new Director-General (DG) of Bihar.
70. Senior IPS officer Kumar Rajesh Chandra has appointed as chief of Bureau of Civil Aviation Security (BCAS), the aviation security wing of the government, over 3 years after the post fell vacant.

71. Renowned musician Angelique Kidjo along with three inspirational African youth activist movements have been declared the joint winners of the prestigious Amnesty International top 2016 human rights award.
72. Indian batsman Rohit Sharma has inaugurated India's first sports expo in Pune. It is the first sports expo being held in the country organised by city-based Steps Sports Entertainment Private Limited.
73. The Indian squad ended their campaign at the International Shooting Sport Federation (ISSF) Junior World Cup with a creditable fourth place finish in the medal's table.
74. Enda Kenny has been re-elected as Ireland's Taoiseach, leading his Fine Gael party into a minority government.
75. The eight nations composing the South Asia Initiative to End Violence against Children, SAIEVAC, are assembling in New Delhi for their 4th Ministerial Meeting.
76. The Union government has approved Infosys to set up an IT/ITeS special economic zone (SEZ) in Bengaluru in an area spread over 4 hectares.
77. Goa Shipyard Limited (GSL) has launched Indian Coast Guard Ship (ICGS) Shaurya at Panaji. It was launched by the Governor of Goa, Mridula Sinha, in the presence of GSL and ICG officials.
78. Australian state of Victoria, Swinburne University has announced two agreements with India in the area of medical technology to address major health challenges in India.
79. Malaysia, Indonesia and the Philippines has agreed to conduct coordinated sea patrols and establish a hotline to combat piracy and kidnappings in waters bordering the three nations. The agreement will be signed by the foreign ministers of the countries in Yogyakarta, Indonesia.
80. India and Japan has decided to exchange sports persons, coaches, experts and administrators to improve the standard of the game between both nations.
81. India's fifth largest Private sector lender Yes Bank has received a 'Custodian of Securities' licence from the markets regulator SEBI to allow the entity to offer custodial services to financial market participants, including FIIs and foreign portfolio investors (FPIs).
82. Facebook and the trade body of Indian IT firms 'National Association of Software and Services Companies (NASSCOM)' has signed an agreement to build a product design initiative to engage the country's young entrepreneurs into becoming problem solvers and solution builders.
83. The e-commerce giant Flipkart has partnered with a Bengaluru based social technology company 'MapUnity' to launch its map services
84. Somnath Ghosh has been appointed as the next Ambassador of India to the Republic of Tajikistan.
85. In Pakistan, former South African cricketer and coach for PSL's Karachi Kings, Mickey Arthur, has been appointed as cricket team's head coach.
86. Pakistan beat India at the Asian Kabaddi championships in Islamabad, retaining the title.
87. Veteran actor Shashi Kapoor's autobiography titled 'Shashi Kapoor – the Householder, the Star' was released recently. It is authored by film journalist Aseem Chhabra.
88. US based private space transport service company, SpaceX has successfully launched Japanese JCSAT-14 communication satellite into the space.
89. India's largest private sector lender ICICI Bank has inked a MoU with the BRICS Grouping-promoted New Development Bank (NDB) for a partnership in bond issuances, co-financing, treasury management and human resources.
90. The single emergency number '112' will be operational throughout India from January 1, 2017 to help people reach immediate services of police, ambulance and fire department.
91. India is ranked at the ninth position in crony-capitalism with crony sector wealth accounting for 3.4 per cent of the gross domestic product (GDP).
92. Railways has launched the Bharat Darshan Tourist train for pilgrims to visit Shirdi, Tirupati, Jagannath Puri, Gangasagar, Baidyanath Dham and Jyotirlingams among others.
93. The Government of India has started the process for issuance by Unique Business Identification Number (UBIN) drive. It will help enable budding entrepreneurs to set up their business without any delays as it produce results well within targeted time.
94. The Minister for micro, small and medium enterprises (MSME) Kalraj Mishra has inaugurated a spinning and weaving centre and marketing plaza for khadi goods in Srinagar.
95. Gujarat Government has granted minority status to the Jain community after issuing a resolution for same.
96. Infosys Foundation, philanthropic arm of the IT major, has signed a pact with Indian Institute of Science Education and Research (IISER), Pune, to support students from economically weaker section to pursue 'high quality' education.
97. The SMS-based Vehicle Monitoring System of Nagaland police has conferred with the National Award for Smart

- Policing instituted by Federation of Indian Chamber of Commerce and Industry (FICCI).
98. England automative brand Jaguar Land Rover Ltd and a subsidiary of Indian automaker Tata Motors, has tied up with UK-based Bullitt Group to develop mobile devices and a range of accessories under its brand.
  99. The Country's largest urban co-operative bank, Saraswat bank has announced the donation of Rs. 1 crore for drought relief in Maharashtra.
  100. Kerala based South Indian Bank has announced a tie-up with National Australian Bank (NAB) for online inward remittances from Australia at a competitive rate.
  101. United Nations (UN) has announced the establishment of the UN Zika Response Multi-Partner Trust Fund (MPTF) to finance critical unfunded priorities in the response to the Zika outbreak. The Fund aims to provide a rapid, flexible and accountable platform to support a coordinated response from the UN system and partners.
  102. An Airport Show has opened in Dubai with participation of more than 300 companies from 55 countries including India, that will showcase a diverse portfolio of technologies and solutions in the aviation sector.
  103. Sadiq Khan, a member of the Labour Party and human rights lawyer of Pakistani descent has been sworn in as London's new mayor by comfortably outrunning of his nearest rival.
  104. Veteran freedom fighter and former Sircilla MLA Chennamaneni Rajeshwara Rao has passed away at a private hospital in Hyderabad following prolonged illness. He was 93 year old.
  105. Number one player, Novac Djokovic has defeated Andy Murray 6-2, 3-6, 6-3 to conquer the Mutua Madrid Open title in Madrid, Spain.
  106. Parliament has passed the Anti-Hijacking Bill, 2016 to widen ambit of law dealing with this anti-hijacking crime. The Bill was first passed in the Rajya Sabha and later in the Lok Sabha in May 2016.
  107. The Ministry of Environment and Forests has launched a web-based application on Integrated Waste Management System (IWMS). The system's web address is [www.iwms.nic.in](http://www.iwms.nic.in). The system is for the better management of waste.
  108. Indian Army had conducted major military training exercise '2016 Chakravayuh-II' in Suratgarh, Rajasthan.
  109. As per the Reserve Bank of India it will shortly issue rupees 1,000 denomination bank notes in the Mahatma Gandhi Series of 2005 with the insert letter of 'R' in both the number panels.
  110. The Department of Industrial Policy & Promotion (DIPP) under Union Ministry of Commerce & Industry has allowed 100 per cent foreign direct investment (FDI) in asset reconstruction companies (ARCs) under the automatic route.
  111. The Reserve Bank of India (RBI) has released the 'draft guidelines for 'on tap' Licensing of Universal Banks in the Private Sector'.
  112. Multinational company Google has announced the launch of its free high-speed public WiFi service at Ujjain, Jaipur, Patna, Guwahati and Allahabad railway stations. The service is now available in 15 stations across India.
  113. Asia's leading cloud telephony company, Knowlarity Communications has announced the acquisition of Delhi-based Smartwards, a customer engagement platform that simplifies loyalty for local businesses and their customers.
  114. As a part of 475th Birth Anniversary celebrations of Maharana Pratap Union Minister for Culture and Tourism Dr. Mahesh Sharma has released a Commemorative coin of Rs. 100 and a Circulation coin of Rs. 10 in New Delhi.
  115. Shashank Manohar has stepped down from as BCCI president.
  116. The Cupertino technology giant, Apple, has elevated Sanjay Kaul as the country manager for Apple India.
  117. Mrugank Paranjape took charge as managing director (MD) and chief executive officer (CEO) of Multi Commodity Exchange (MCX), country's largest commodity exchange.
  118. US actor William Schallert, who parlayed an everyman face into hundreds of television and film roles, most notably as the father in the 1960s TV situation comedy 'The Patty Duke Show' has passed away.
  119. An Indian scientist from Uttar Pradesh's Gorakhpur city Dr Manvendra K Singh has been awarded a grant of SGD 3 million (about Rs 14.7 crore) by National Research Foundation to research in congenital and adult cardiovascular diseases.
  120. Indian boxers won four medals at the 7th Asian Youth Championships held in Pavlodar, Kazakhstan. India finished at third in the overall standings with three silver and a bronze medal in the tournament.
  121. Every year, National Technology Day is observed across India on May 11 to mark Indian technological advancement. This year the theme is Technology enablers of Startup India.
  122. The Reserve Bank Of India (RBI) has cancelled the certificate of registration of the four Non-Banking Financial Companies (NBFCs) and seven other Maharashtra-based non-banking financial companies (NBFCs) have surrendered their registration certificates.

- 123.** Indian Navy has decommissioned its fleet of iconic Sea Harriers.
- 124.** Indian Navy has launched the state-of-the-art Harbour Defence Systems, viz., Integrated Underwater Harbour Defence and Surveillance System (IUHDSS) and Mine Warfare Data Centre (MWDC) which would enhance the Navy's surveillance capability and response to security threats at the Naval Dockyard in Visakhapatnam.
- 125.** Congress leader Harish Rawat is all set to be reinstated as the Chief Minister of Uttarakhand, over six weeks after he was ousted by the Centre, with the Supreme Court, putting its stamp of approval on the floor test in the Assembly.
- 126.** The Union Government has constituted a three member committee to prepare a policy framework for taxi and other transport operators. The committee will be headed by Sanjay Mitra.
- 127.** India and Mauritius has signed the protocol for amendment of two-decade-old Double Taxation Avoidance Agreement (DTAA) between the two countries.
- 128.** India is planning to develop regional connectivity projects worth \$5 billion in South Asia. The projects include road corridors connecting India with Bangladesh, Nepal and Bhutan through West Bengal and India-Myanmar through Manipur.
- 129.** The Madhya Pradesh Tourism (MPT) won the Lonely Planet Group's Best Indian Destination for Wildlife Award.
- 130.** Karnataka Bank has launched 'cash back' campaign for its VISA debit cardholders.
- 131.** E commerce company, Amazon has launched its online video service, called Amazon Video Direct. This facility will facilitate the users by allowing posting clips on its website and earning through advertising, royalties and other sources.
- 132.** Cross-category classifieds business Quikr has acquired Salosa, an on-demand in-home beauty services provider, for an undisclosed amount.
- 133.** A Bureaucrat, who turned as politician N.K. Singh has honoured with Japan's second highest national decoration for his contribution in strengthening Indo-Japan ties in the field of trade and investment over the last few decades.
- 134.** Bangladesh government has hanged the fundamentalist Jamaat-e-Islami chief Motiur Rahman Nizami for war crimes committed during the country's 1971 Liberation War.
- 135.** Anti-crime candidate and mayor of Davao City, Rodrigo Duterte has won the 2016 presidential election of the Philippines by a landslide victory.
- 136.** In Tennis, Sania Mirza and Martina Hingis continue to lead the latest Women's Doubles rankings released. American Serena Williams continued to top the Singles rankings. In Men's Singles rankings, Novak Djokovic is still at the top.
- 137.** The Rajya Sabha has passed the Insolvency and Bankruptcy Code 2016, which had already been passed by the Lok Sabha. The Code seeks to consolidate and amend the laws relating to reorganization and insolvency resolution in a time bound manner.
- 138.** Rwanda hosted the 26th World Economic Forum on Africa (WEF) in its capital Kigali. The theme of this 26th World Economic Forum on Africa is - Connecting Africa's Resources through Digital Transformation.
- 139.** Iran has stopped free shipping of oil to Indian refiners from April 2016 and the freight will be arranged by the buyers in future.
- 140.** A Memorandum of Understanding (MoU) has been signed between The Development Commissioner (Handlooms), Ministry of Textiles, Government of India and NDTV Ethnic Retail Ltd. for popularizing India Handloom textiles as a fashionable product for youth.
- 141.** Odisha based aluminium company, National Aluminium Company (Nalco) has signed an memorandum of understanding (MoU) with Bhabha Atomic Research Centre (BARC), Mumbai for Research and Development (R&D) in fields of mutual interest.
- 142.** ICICI Bank, a private sector lender has launched the country's first contactless business credit card in association with Jet Airways for small and mid-sized enterprises (SMEs) and their employees.
- 143.** Mukesh Ambani-owned Reliance Jio Infocomm has launched its digital wallet service, called as JioMoney Wallet, for Indian consumers, following the introduction of 4G services to the public through an employee-driven invite system.
- 144.** The Kenyan government has decided to close the World's biggest refugee camp in Dadaab. Presently, around 3,28,000 refugees mostly from Somalia are staying in Dadaab camp.
- 145.** An Indian-American woman elementary teacher Revathi Balakrishnan, from Texas has been honored by US President Barack Obama at the White House for her excellent work in the field of education.
- 146.** Kotak Mahindra Bank Chief Uday Kotak, with a net worth of \$7.1 billion is the only Indian in Forbes' 'Money

- Masters: The Most Powerful People in The Financial World' list of 40.
147. Renowned Music composer AR Rahman has accepted the Indian Olympic Association's offer to become the Goodwill Ambassador for Rio Olympics.
  148. Former BCCI President Shashank Manohar, who resigned recently, was now elected unopposed as the ICC's first independent Chairman for two years.
  149. Brazil's President Dilma Rousseff was suspended for at least six months after the country's Senate voted 55-22 to impeach and put her on trial.
  150. West Indies cricket writer, commentator and journalist, Tony Cozier has passed away. He was 75 year old.
  151. Rajya Sabha MP from Gujarat Praveen Rashtrapal has passed away after suffering a heart attack. He is 76 year old.
  152. Golden State Warriors guard Stephen Curry was named the NBA's Most Valuable Player for the second straight year.
  153. The National Democratic Alliance (NDA) government led by Prime Minister Narendra Modi, has decided to replace the five year plans with 15 year vision documents.
  154. The Cabinet Committee on Economic Affairs has given its approval for development of 8 and 6 lane of Delhi-Meerut Expressway - Package-II on NH-24 in Uttar Pradesh. The cost is estimated to be around Rs 1984 crore including cost of land acquisition, resettlement and rehabilitation and other pre-construction activities.
  155. The Supreme Court of India has ruled that Telecom companies will not compensate mobile phone users for inconvenience caused by call drops.
  156. Indian Air Force has launched its Electronic Maintenance Management System (e-MMS) Project, an automated military maintenance system.
  157. The Union Railways Ministry has decided to constitute two Directorates namely Mobility Directorate (MD) and Non-Fare Revenue Directorate (NFRD).
  158. President of Sri Lanka Maithripala Sirisena will arrive in capital. He is on a two day visit to the nation. The visit is expected to contribute to further strengthening the close and cooperative relations between India and Sri Lanka.
  159. World Health Organization has said that India is home to four of the five cities in the world with the worst air pollution. The dirtiest air was recorded at Zabol in Iran, which suffers from months of dust storms in the summer.
  160. As per the report published by the Organisation for Economic Co-operation and Development (OECD), India and five other countries have signed a multilateral pact for automatic exchange of information on tax issues and developing new tools to tackle the tax evasion.
  161. India and Bangladesh conducted a five-day dialogue in Dhaka over a host of security issues, including drug trafficking and cattle smuggling across the border between the two neighbors.
  162. The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has given its approval for signing of a Memorandum of Understanding (MoU) between SEBI and Financial Services Regulatory Authority, Abu Dhabi for Mutual Co-operation and Technical Assistance.
  163. The Reserve Bank of India has stated that entities from Pakistan, China, Bangladesh, Sri Lanka, Afghanistan, Iran and Hong Kong or Macau will require its prior approval to establish branch office or project office or liaison office in India.
  164. Central Asian state leaders have inaugurated the Central Asia South Asia (CASA-1000) transmission line near Dushanbe in Tajikistan to link the four nations and to promote regional stability, security and prosperity.
  165. The world's largest cargo aircraft - Antonov An-225 Mriya has made its first landing in India at the Rajiv Gandhi International Airport, Hyderabad for refuelling. It will stay at the GMR-owned Shamshabad Airport for 20 hours.
  166. US President Barack Obama has appointed an Indian-American engineer, Manjit Singh, as the member of President's Advisory Council on Faith-Based and Neighborhood Partnerships.
  167. In Haryana, Parkash Singh committee, headed by former DGP of Uttar Pradesh retired IPS Officer Parkash Singh has submitted its report on Jat Quota agitation to Haryana Chief Minister Manohar Lal.
  168. The head of Sant Nirankari Mission and an Indian spiritual guru Hardev Singh has passed away in a road accident in Canada. He was 62 year old.
  169. Former India captain Anil Kumble has been re-appointed ICC Cricket Committee chairman for a second term of three years while his one- time team-mate Rahul Dravid was named member of the top panel.
  170. The First World Conference on Tourism for Development will be held in Beijing, China from 18th to 21st of May, 2016.
  171. FIFA has appointed a UN diplomat, Fatma Samoura as its first ever female secretary-general, a surprise and historic move announced at a congress to overhaul the scandal-hit organisation.
  172. In a bid to provide solar energy, the Indian Railways is all set to conduct trial of its first solar panel-powered train in Rajasthan's Jodhpur city.

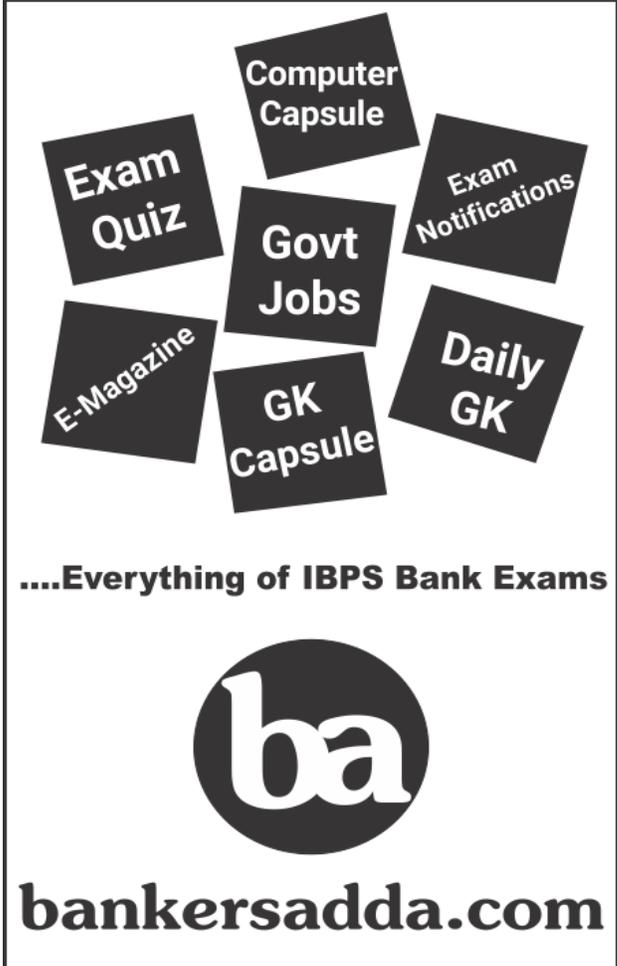
- 173.** The Capital market apex, Securities and Exchange Board of India (Sebi) has approved the appointment of Ashok Chawla as National Stock Exchange (NSE) new Chairman.
- 174.** Anjali Chandrashekar, a 22-year-old Indian artist is among the three winners of a UN poster competition on creating awareness about nuclear disarmament.
- 175.** Rwandan national captain Eric Dusingizimana, has set a new Guinness world record by batting out a straight 51 hours, the longest individual net session, beating the record set last year by India's Virag Mane, who had batted a straight 50 hours.
- 176.** India has signed a historic Project Collaboration Agreement (PCA) with World Health Organization (WHO) for cooperation on promoting the quality, safety and effectiveness of service provision in traditional and complementary medicine.
- 177.** The Prime Minister along with Sri Lankan President Maithripala Sirisena have released 'Simhashta Declaration' at Ninora village in Ujjain.
- 178.** The multilateral Red Flag Aerial combat exercises between US, NATO and allied forces and India Air Force (IAF) concluded in Alaska, US.
- 179.** Justice Naveen Sinha has sworn in as the 31st Chief Justice of Rajasthan.
- 180.** The Union Government has approved National Intellectual Property Rights (IPR) Policy, 2016 to promote the IP regime and to encourage innovation, creativity and entrepreneurship in India.
- 181.** The Italian parliament passed legislation legalizing same-sex civil unions, with 372 voting in favour, 51 against and 99 abstaining. With this, it has become the last country in Western Europe to do so.
- 182.** The central has announced its amnesty scheme, 'Dhan wapsi' Income Declaration Scheme for declaring domestic black money would start from June 1st.
- 183.** Union Health and Family Welfare Minister J P Nadda laid the foundation stone for three new medical colleges at Rajouri, Anantnag and Baramulla districts in Jammu and Kashmir.
- 184.** The postal department of India, India Post is going high tech by geo tagging the post office on Bhuvan and has begun monitoring timely clearance of the letter boxes through a mobile app.
- 185.** The Centre has approved the Odisha Government's proposal to set up Kalinganagar National Investment and Manufacturing Zone in Jajpur district.
- 186.** Wholesale prices rose for the first time in 18 months, posting an annual gain of 0.34 per cent, driven up by higher costs for food and manufactured items, as per the government data.
- 187.** India successfully test fired its indigenously developed supersonic interceptor missile off the Odisha coast.
- 188.** Bharat Heavy Electrical Limited (BHEL), a state run engineering firm has won Rs. 1,600 crore order from a joint venture company of National Thermal Power Corporation Limited (NTPC) and Steel Authority of India Limited (SAIL) to set up a coal based thermal power project in Odisha.
- 189.** India and Bangladesh has concluded a nuclear agreement with each other to engage the bilateral neighborhood relationship.
- 190.** Former ISRO Chairman and space scientist Prof Udupi Ramachandra Rao became the first Indian to be given 'Hall of Fame' Award by the International Astronautical Federation (IAF).
- 191.** Former IPL spot-fixing probe head, Justice Mukul Mudgal has been appointed as the Deputy Chairman of FIFA's governance committee.
- 192.** Deepak Shodhan, India's oldest Test cricketer and the 2nd Indian to score a memorable test century in his debut innings, has passed away due to a heart attack at his residence in Ahmedabad.
- 193.** Actress Celina Jaitley has been honored by the Harvey Milk Foundation for her contribution to Lesbian, Gay, Bisexual and Transgender (LGBT) equality as a United Nations Equality Champion.
- 194.** Indian women's squash team have won the Silver medal in the Asian Team squash Championships.
- 195.** Andy Murray defeated Novak Djokovic on clay for the first time to win the Italian Open Men's Singles Tennis title.
- 196.** American professional tennis player, Serena Williams defeated compatriot Madison Keys 7-6(7-5), 6-3 to win her fourth Rome Masters title and the first title in last nine months.
- 197.** Rio Olympics qualified sprinter, Sudha Singh set a new national record in the 3,000-meter steeplechase category by clocking 9 minutes and 26.55 seconds in the IAAF Diamond League race in Shanghai.
- 198.** Barcelona were crowned La Liga champions for the second straight time and the 24th time overall, after they defeated Granada 3-0 in the last game of the season.
- 199.** Top-ranked women's doubles pair of Sania Mirza and Martina Hingis rebounded from their last two final losses to clinch the Internazionali BNL d'Italia title in Rome.
- 200.** The Red Bull, Max Verstappen has become the youngest formula 1 winner. He is 18 year old.
- 201.** The World Hypertension Day (WHD) is being observed on 17th of May.

- 202.** The World Bank's Board has approved USD 625 million loan to support the central government's programme to generate electricity from rooftop solar power plants.
- 203.** The government launched a 15-day 'Swachh Office Drive' across India to ensure cleanliness at government-run offices.
- 204.** Union Minister of Road Transport & Highways and Shipping Nitin Gadkari has launched three initiatives for best practices in road transport sector. These three innovative IT initiatives are: INFRACON, ePACE and up-Scaled INAM PRO.
- 205.** India's renewable energy sector has been ranked third in the Renewable Energy Country Attractiveness Index (RECAI) with China at second and the US on top.
- 206.** India and the US held the first round of discussions under the recently-constituted Maritime Security Dialogue.
- 207.** RBI has authorised 29 agency banks to accept payments of Income Tax dues as recently Reserve Bank of India has asked income tax assesses to pay their tax dues well in advance to avoid last minute rush.
- 208.** Singapore based DBS Bank has decided to set up its biggest technology hub out off its headquarter.
- 209.** UK-based Royal Bank of Scotland (RBS) said it will shut down its corporate, institutional and retail banking operations in India, following the announcement of the plan last year.
- 210.** NASA successfully launched a super pressure balloon from New Zealand's South Island Wanaka Airport to conduct near-space scientific investigations.
- 211.** China has successfully launched a remote sensing satellite Yaogan-30 into sun-synchronous orbit (SSO) using the Long March-2D rocket.
- 212.** British Royals Prince William, Princess Kate and Prince Harry has launched the Heads Together campaign at Queen Elizabeth Park in East London.
- 213.** Pfizer Inc will buy Anacor Pharmaceuticals Inc in a \$5.2-billion (£3.61 billion).
- 214.** State-owned power generating firm NTPC has signed a joint venture agreement with state-run Coal India to revive plants run by the Fertilizer Corporation of India (FCIL).
- 215.** Beti, a non-fiction short film on girl child education, made by young student filmmakers of Chandigarh, has been invited for a special screening at the 42nd Seattle International Film Festival (SIFF), Washington DC.
- 216.** Han Kang, a South Korean author has won he 2016 Man Booker International Prize for her novel 'The Vegetarian'.
- 217.** Renowned author of Harry Potter series, Mr. JK Rowling has been honoured with the highest French civilian honour -'French Legion Of Honour'.
- 218.** French astrophysicist Andre Brahic, one of the discoverers of Neptune's rings, died in Paris at the age of 73.
- 219.** A three-member Indian women's archery team comprising Deepika Kumari, Bombayla Devi and Laxmirani Majhi was named for the Rio Olympics after a series of selection trials in the last three months.
- 220.** In Punjab, Chief Minister Parkash Singh Badal inaugurated the World's largest Single Rooftop Solar Power Plant with capacity of 11.5 MegaWatt (MW) at Dera Baba Jaimal Singh at Beas, in Amritsar district.
- 221.** The Union Government has opened up a Tatkal Window to expedite examination of patent applications by start-ups as well as entities choosing India for the first filing of patent.
- 222.** Union Women and Child Development Minister Maneka Gandhi has unveiled 2016 Draft National Policy for Women for comments and consultation.
- 223.** The Centre has constituted a five Member Committee to comprehensively review and give recommendations on the Fiscal Responsibility and Budget Management, FRBM, roadmap for the future. The Committee will be headed by former Revenue and Expenditure Secretary N.K. Singh.
- 224.** India successfully test fired its indigenously developed Prithvi-II missile from the Chandipur, off Odisha coast.
- 225.** The Odisha government has decided to launch Green Passage scheme for orphan students to ensure that they get free of cost higher education in the state.
- 226.** Union Urban Development Minister Venkaiah Naidu and Delhi Chief Minister Arvind Kejriwal flagged off the trial run of Delhi Metro's new driverless trains.
- 227.** US-based law firm BakerHostetler in May 2016 hired the world's first robot lawyer ROSS to assist the company and its various teams in legal research.
- 228.** Syamantak Payra, a 15-year old Indian-American student has won the prestigious Intel Foundation Young Scientist Award.
- 229.** The Belgium based company Barco has announced the appointment of Rajiv Bhalla as managing director for India.
- 230.** Uttar Pradesh government, appointed Manzil Saini as the new Senior Superintendent of Police (SSP) of state capital Lucknow.
- 231.** The country's biggest airline by market share, IndiGo has appointed Rohit Philip as its new Chief Financial Officer (CFO).
- 232.** Shell India has announced Nitin Prasad as its new India head from 1st October.

- 233.** Joe Root, a England cricketer has bagged a hat-trick of awards, as he was named Test Player of the Year, Limited Overs Player of the Year and Fans' Player of the Year at the England's annual awards ceremony.
- 234.** Olympic chief Thomas Bach has announced that up to 31 athletes from six sporting event could be banned from competing at the Rio Games.
- 235.** Global rating agency, Moody's has forecast a growth rate of about 7.5 percent for the Indian economy in 2016 and 2017.
- 236.** The Centre has decided to defer the National Eligibility-cum-Entrance Test (NEET) for medical college admission by a year through an ordinance or executive order.
- 237.** Labour Minister (Independent) Bandaru Dattatreya stated that the Centre is revising the rehabilitation of bonded labour scheme, bringing it into the Central sector, and plans to raise financial assistance from Rs. 20,000 to Rs. 1 lakh .
- 238.** The Foreign Investment Promotion Board (FIPB) has approved Rs.60.73 crore worth of foreign direct investment (FDI) proposals of Wockhardt, Aurobindo Pharma and Advanced Enzyme Technologies.
- 239.** The country's largest lender, State Bank of India (SBI) has decided to merge its five associate public sector banks (PSBs) and the Bharatiya Mahila Bank (BMB) with itself.
- 240.** One of the largest overseas subsidiaries of SBI, Nepal SBI Bank has launched payment gateway to facilitate online trade and non-trade transactions between the Himalayan nation 'Nepal' and India.
- 241.** Public sector lender Punjab National Bank has reported the largest net loss of rs. 5,367.14 crore for 4th quarter ended 31st of March against the backdrop of a surge in bad loans. This is the biggest quarterly loss in Indian bank history.
- 242.** Apple CEO Tim Cook, who is currently on visit to India has announced the opening of its Hyderabad technology centre that will focus on the development of maps for its mobile products like iPhones, iPads, Macs and Apple Watches.
- 243.** Mobile app for transportation Ola has signed an MoU with National Safai Karamcharis Finance and Development Corporation (NSKFDC).
- 244.** State-owned BHEL has commissioned a 250 MW thermal unit in Maharashtra.
- 245.** A subsidiary of Tata Power, Tata Power Renewable Energy (TPREL) has announced that it has won two solar-grid connected photovoltaic projects of 50 mw capacity each in Pavagada Solar Park in the Tumkur district of Karnataka.
- 246.** The Japanese financial company Nomura has announced fully departure of its mutual fund joint venture with insurance giant Life Insurance Corporation of India (LIC).
- 247.** Five Indian car models got zero star ratings after failing in the crash tests conducted by the Global New Car Assessment Programme (Global NCAP).
- 248.** App-based cab service provider Ola has launched a unique initiative for travellers arriving at the Kempegowda International Airport (KIA).
- 249.** Rakesh Kumar Mishra, a noted expert in the study of function of genes, has been appointed as the new Director of the Centre for Cellular and Molecular Biology (CCMB) by the Council for Scientific and Industrial Research (CSIR).
- 250.** Scientists from The University of Texas Medical Branch (UTMB) have developed world's first genetically engineered clone of the Zika virus strain.
- 251.** United Nations Secretary General Ban Ki-moon has appointed Patricia Espinosa Cantellano of Mexico as Executive Secretary of the United Nations Framework Convention on Climate Change (UNFCCC).
- 252.** Rupa Iyer, an Indian-American bio-technologist, has received the University of Houston's highest teaching award for her sustained and significant contributions to education in the US.
- 253.** Sevilla were crowned for the third straight year as the UEFA Europa League champions after they defeated Liverpool 3-1 in the final at the St. Jakob-Park in Basel.
- 254.** The 2016 Kerala Assembly Election has won by the CPI (M) led Left Democratic Front (LDF). So as result, Pinarayi Vijayan is set to become the next Chief Minister of Kerala.
- 255.** In Assam Assembly Election 2016, Bhartiya Janata Party (BJP) and its alliance partners have won an absolute majority. So as result, Union Sports Minister Sarbananda Sonowal is all set to become the next Chief Minister of Assam.
- 256.** Ruling All India Trinamool Congress Party (TMC) under the leadership of Chief Minister Mamata Banerjee has emerged victorious in the 2016 West Bengal Assembly Election.
- 257.** Ruling All India Anna Dravida Munnetra Kazhagam (AIADMK) Party under the leadership of Chief Minister J. Jayalalitha has emerged victorious in the 2016 Tamil Nadu Assembly Election.
- 258.** The Congress, which has been decimated in Assam by the BJP and by the Left front in Kerala have managed to wrest power in the union territory of Puducherry in alliance with the DMK winning 17 of the 30 assembly seats.
- 259.** President Pranab Mukherjee has inaugurated an Intelligent Operations Centre (IOC) in Rashtrapati

- Bhavan. He also launched a mobile application 'Monitor' for transformation of President's Estate into a smart township.
- 260.** The cyclonic storm ROANU that emerged in the west central Bay of Bengal was in news.
- 261.** The Union Minister of Health and Family Welfare J P Nadda has launched the Centre for Environmental Health in New Delhi.
- 262.** Himachal Pradesh Chief Minister Virbhadra Singh has introduced PEHAL programme in Shimla district.
- 263.** Medicines with the Red Line: A public awareness campaign launched by the Union Government to curb irrational use of antibiotics.
- 264.** A two day International Buddhist conference has begun in Nepal to celebrate the 2,560th birth anniversary of Lord Buddha.
- 265.** India and Slovenia have signed a Protocol to amend the existing bilateral double taxation avoidance agreement, broadening the pact to include exchange of information to curb tax evasion in Ljubljana.
- 266.** Chinese yoga practitioners gathered in large numbers over 1,000 for a group performance in Kunming, China to open the China-India Yoga Conference.
- 267.** Reliance Industries Limited (RIL) Chairman and Managing Director Mukesh Ambani has been conferred the prestigious Othmer Gold Medal for his entrepreneurial leadership.
- 268.** Tata Power has announced that it has completed the acquisition of 30 MW wind farm in Maharashtra.
- 269.** Indian journalist and Councillor Philip Abraham was elected unanimously as the Deputy Mayor of Loughton town in the United Kingdom.
- 270.** Tsai Ing-wen of the Democratic Progressive Party (DPP) has sworn in as the new president of Taiwan and also has become the first female President of the country.
- 271.** Veteran CBS newsman Morley Safer, who retired from CBS News just a week ago has passed away after a 61-year career in journalism.
- 272.** Popular Gujarati folk singer Diwaliben Bhil has passed away in Junagadh. She was 80 year old.
- 273.** Indian women's team settled for a bronze medal after suffering a 0-3 defeat at the hands of defending champions China in the semifinals of the Uber Cup badminton championship, at Kunshan in China.
- 274.** The 27th edition of the India-Indonesia CORPAT (Coordinated Patrol) has concluded in Belawan, Indonesia.
- 275.** Nitish Kumar led Bihar Government has announced the ban on sale, distribution, storage, manufacture, consumption and publicity of tobacco products like gutka and pan masala.
- 276.** An indigenously developed "affordable" faecal incontinence management system 'Qora', a spin-off of a programme of the Department of Biotechnology and implemented at AIIMS and IIT Delhi, was launched.
- 277.** World Bank subsidiary arm International Finance Corporation (IFC) is planning to invest US\$68 million (about INR 460 crore) in Apollo Health & Lifestyle Ltd (AHLL).
- 278.** Finance ministers and central banks governor from the Group of Seven developed nations kicked off the first day of their meeting in Sendai, Japan.
- 279.** Future Consumer Enterprise Ltd (FCEL) has informed the stock exchanges that International Finance Corporation (IFC) will invest \$20 million in the company through equity-linked instruments.
- 280.** UK based banking giant, HSBC Holding Plc stated that it plans to close 24 branches in India.
- 281.** Transport Minister of Turkey Binali Yildirim is all set to become as the country's Prime Minister.
- 282.** UN Secretary General Ban Ki-moon has appointed former Irish President Mary Robinson and Kenyan diplomat Macharia Kamau as special envoys for El Nino and climate.
- 283.** A 42 year old woman born in Nepal, Lhakpa Sherpa has climbed Mount Everest for the seventh time. With this she broke her own record for the most ascents to the world's highest mountain by a woman.
- 284.** Cairn India informed the stock exchanges that Mayank Ashar, Managing Director and Chief Executive Officer, will step down from his post for personal reasons, effective June 5.
- 285.** Emmy award-winning English-born actor Alan Young, died at age 96.
- 286.** Belgian Mourad Laachraoui has won gold in the European Taekwondo Championships.
- 287.** Roger Federer has withdrawn from this year's French Open after failing to recover from a back injury.
- 288.** Indian Space Research Organisation (ISRO) has successfully launched its maiden indigenous winged Reusable Launch Vehicle (RLV) from Sriharikota spaceport in Andhra Pradesh.
- 289.** India and Iran has signed 12 Memorandum of Understanding (MoU) and agreements in various areas

- including building and operating the Chabahar port by India.
- 290.** The money market regulator SEBI has tightened its norms for Participatory note (P note) users to follow Indian anti-money laundering law and report any suspicious transactions immediately.
- 291.** India and Oman have signed 4 Memorandum of Understanding (MoUs) in Muscat during the visit of Indian Defence Minister Manohar Parrikar to Oman.
- 292.** Government has constituted the Investor Education and Protection Fund (IEPF) Authority, moving ahead with efforts to further strengthen the framework for safeguarding the interest of investors.
- 293.** All India Anna Dravida Munnetra Kazhagam (AIADMK) chief J Jayalalithaa has sworn in as chief minister of Tamil Nadu.
- 294.** Himachal Pradesh fisheries department has started an artificial propagation programme for rehabilitation and conservation of Golden Mahseer fish.
- 295.** Gujarat government has launched Smart Village program, it was launched by Chief Minister Anandiben Patel on her two year completion in office in Gandhinagar in Gujarat.
- 296.** India-Pakistan school Students Exchange Program has won innovation award.
- 297.** Anurag Thakur has been elected as the new BCCI president by the Special General Meeting (SGM) chaired by Senior BCCI vice-president C K Khanna in Mumbai. With this he became the second youngest BCCI President.
- 298.** Sikkim Chief Minister Pawan Chamling has been conferred with the Yug Kavi Siddhicharan Award by Nepal Prime Minister K P Sharma Oli for his commendable contributions in promoting Nepali literature in India.
- 299.** Veteran British director Ken Loach film I, Daniel Blake has won the his second Palme d'Or at the 69th Cannes Film Festival, France.
- 300.** BJP leader and former IPS officer Kiran Bedi was appointed as Lt Governor of Puducherry.
- 301.** Former Finance Secretary Ratan P Watal was appointed as Principal Adviser (Social Sector) in NITI Aayog for 3-years.
- 302.** The oldest living Olympic champion Sandor Tarics has passed away at home in San Francisco. He was 102 year old.
- 303.** Chinese women badminton team showing its supremacy has won the Uber Cup title. In the final played at the Kunshan Sports Centre Gymnasium in Beijing, the host country defeated South Korea 3-1.
- 304.** The Mohun Bagan has clinched the Federation Cup title for the 14th time.
- 305.** For the first time ever, Denmark has won the Thomas Cup badminton tournament.
- 306.** Off-spinner Ravichandran Ashwin retained his second spot in the latest ICC Player Rankings for Test Bowlers. India's ace cueist Pankaj Advani has created history in Abu Dhabi by clinching the Asian 6-Red Snooker title



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## Banking Tricky Notes: Trick to learn HQ of Nationalised banks

Dear Readers,

In this article we are providing you the tricks to learn the Head Quarters (HQ) of all the nationalized banks in India. These are important as minimum on question in your GA section come from this part. After reading this article, you will able to learn this very easily.

**Trick 1:** All Bank Names ending with India except United Bank of India is having HQ in Mumbai

1. **Union Bank of India** : Mumbai
2. **Bank of India** : Mumbai
3. **Central Bank of India** : Mumbai
4. **Dena Bank** : Mumbai
5. **IDBI Bank** : Mumbai

**Trick 2:** A phrase which is pronounced as "KUUA"

**K:** Kokata as HQ

6. **U:** United Bank of India
7. **U:** UCO Bank
8. **A:** Allahabad Bank

**Trick 3:** A phrase which is pronounced as

NEW DELHI ki PUNJABI WOMEN, COMMERCE mein achi hoti hai.....

From this we will learn: Banks having Delhi as its HQ

**Punjabi:**

9. Punjab National Bank: New Delhi
10. Punjab and Sind Bank: New Delhi

**Women:**

11. Bhartiya Mahila Bank: New Delhi

**Commerce:**

12. Oriental bank of Commerce: New Delhi

**Trick 4:** Banks having "Indian" in their name have their HQ in "Chennai"

13. Indian Bank : Chennai
14. Indian Overseas Bank : Chennai

**Trick 5:** Some Banks HQ can be learned from their name only..

15. Bank Of Maharashtra ⇒ Pune
16. Bank of Baroda ⇒ Vadodara
17. Andhra Bank ⇒ Hyderabad

**Trick 6:** Banks having Southern touch in their name having HQ in Bengaluru..

18. **Canara Bank** : Bangalore
19. **Vijaya Bank** : Bangalore

**Trick 7:**

**A phrase which is pronounced as "ManSyCo"**

**Man:** Manipal, Karnataka

**20. Sy:** Syndicate Bank

**Man:** Mangalore

**21. Co:** Corporation Bank

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ONE STOP PORTAL FOR THE CURRENT AFFAIRS

## CURRENT AFFAIRS ZINGER : APRIL 2016

### 1<sup>st</sup> -3<sup>rd</sup> APRIL

- The government permitted how much percent Foreign Direct Investment (FDI) in the market place format of e-commerce retailing in order to attract more foreign investments?
- SoftBank Ventures Korea has invested an undisclosed amount in which India-based app, that helps keep track of the balance available on prepaid mobile accounts?
- Which bank will lend India €450 million (approximately Rs. 3,300 crore) towards constructing a 23-km long Lucknow Metro rail line and a purchasing a fleet of new trains?
- Indian citizens in distress will soon be able to get help using a single number, for all emergency services in the country, including the police, fire brigade and ambulance. What is the number?
- Anil Ambani-led Reliance Defence Ltd, with which company of Israel have decided to set up a joint venture company in India in the highly specialized areas of air-to-air missiles, air defence systems and large aerostats, that will oversee projects worth USD 10 billion (over Rs 65,000 crore) in ten years?
- State-run Bank of India said that the government has approved a capital infusion of how much amount in lieu of preferential allotment of shares?
- Prime Minister Narendra Modi paid his respects to the victims of the March 22 terror attacks in which country by laying a wreath at the entrance to the Maalbeek metro station?
- Finance Minister Arun Jaitley launched 'Make in India' conference in which country recently?
- Which company has signed a pact with Elbit-ISTAR and Alpha Design Technologies to work in the field of Unmanned Aircraft Systems (UAS) in India?
- Name the Hungarian writer who won the 2002 Nobel Prize for Literature for fiction largely drawn from his experience as a teenage prisoner in Nazi concentration camps, died at the age of 86.
- Which country's government has committed a loan of Around Rs.14,251 crores for various projects across India, including Jharkhand, Odisha, Madhya Pradesh and the North East?
- The 13th India-EU Summit concluded in which country without a consensus on a bilateral free trade deal known as the BTIA (Broadbased Trade and Investment Agreement)?
- South Africa's top court ordered the President to pay back some of the \$16 million of state money spent for upgrading his private home, in a stinging rebuke that hits the scandal-plagued leader financially and politically. Name the President.
- Who will take the oath as the first woman CM of Jammu and Kashmir ending 11 weeks of political uncertainty?

### Answers:

- |                                       |  |                    |
|---------------------------------------|--|--------------------|
| 1. 100 per cent                       | 5. Rafael Advanced Defence Systems Ltd | 10. Imre Kertesz   |
| 2. True Balance App.                  | 6. Rs. 1,150 crores                    | 11. Japan          |
| 3. The European Investment Bank (EIB) | 7. Brussels                            | 12. Brussels       |
| 4. '112'                              | 8. Sydney, Australia                   | 13. Jacob Zuma     |
|                                       | 9. Adani Aero Defence                  | 14. Mehbooba Mufti |

### 4<sup>th</sup> -11<sup>th</sup> APRIL

- Who has stepped down as UBHL [United Breweries (Holdings) Ltd.] director recently?
- Pakistan's Sikh religious body elected whom as its caretaker president after its first chief Sardar Sham Singh, credited with changing the face of Sikh shrines in the Muslim-dominated country, died?
- Name the Former German Foreign Minister who has died at the age of 89 recently.
- Name the famous TV actress who was known for her role of adult Anandi in the serial "Balika Vadhu", allegedly committed suicide.
- Name the Indian boxer who reached the Asian-Oceania qualifying event final in Quian'an, China, and become the first Indian boxer to book a spot in the Rio Olympics.
- Who will be feted with the 'Maharashtrian Of The Year 2016'?
- Which company has forayed into the global combine harvester business, by agreeing to acquire 35 per cent stake in Finish firm Sampo Rosenlew, a combine harvester company based in Pori, for 18 million Euro?
- Which country's National Assembly (NA) elected Nguyen Thi Kim Ngan as the country's first female house speaker?
- ICCR will set up the first Indian Chair in Arab world in which country?
- The Reserve Bank of India (RBI) recently cut the benchmark repo rate by how many basis points?
- Prime Minister Narendra Modi with Finance Minister Arun Jaitley and others launched the Stand Up India Programme in which city?
- Which app is now using a powerful form of encryption to protect the security of photos, videos, group chats and voice calls in addition to the text messages sent by its more than a billion users around the globe?

13. RBI retained its GDP growth forecast for the year 2016-17 at how much percent, on the assumption of a normal monsoon and a boost to consumption through the implementation of the Seventh Pay panel recommendations?
14. A federal judge in New Orleans granted final approval to an estimated how much amount settlement over the 2010 BP oil spill in the Gulf of Mexico, resolving years of litigation over the worst offshore spill in the nation's history?
15. Name the organization which will provide grant of Rs 24 crore to Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi), to establish the Center for Artificial Intelligence.
16. The government of which country promised India assistance in investigating those who figure on the latest list of the rich and the influential who have parked money in secretive tax havens?
17. Name the fastest train of the country which was recently launched and covered, the nearly 200 km distance between Delhi's Hazrat Nizamuddin railway station and Agra Cantonment station in exactly 100 minutes.
18. Name the Myanmar's new President who recently take charge of his office.
19. Which country's President refused a request from its Prime Minister Sigmundur David Gunnlaugsson to dissolve parliament and call a new election amid a dispute over the premier's offshore tax affairs?
20. On which veteran Mathematician, an encyclopedia is being launched by Springer recently?
21. Name the Veteran U.S. astronaut who said goodbye to NASA.
22. Which country recently launched a retrievable scientific research satellite in a bid to aid scientists to study microgravity and space life science?
23. Who was named as the Man of the Tournament in the ICC Men's T-20 World Cup 2016?
24. Name the former Bombay Ranji Trophy allrounder who passed away at the age of 60.
25. The Unique Identification Authority of India (UIDAI) had generated how many Aadhaar numbers in five-and half years since the first Aadhaar was issued in 2010?
26. Name the U.S. Defence Secretary who begins his India visit from Goa, home state of his Indian counterpart Manohar Parrikar.
27. Who is appointed as the new UP's BJP Chief?
28. India is in talks with which country to purchase 40 Predator surveillance drones?
29. Bharti Airtel will pay Rs.3,500 crore to acquire 4G spectrum in eight telecom circles from which company?
30. Sri Lanka with which country are now defining a new blueprint, based on rapid infrastructure development, to rail their growing ties for the future?
31. Name the country which is the sixth largest military spender in 2015 having spent \$51.3 billion even as the world spent \$1,676 billion reversing a global trend which was on the decline since 2011., as per the latest report from the Stockholm International Peace Research Institute (SIPRI).
32. Name the wife of senior BJP leader L K Advani who died at the All India Institute of Medical Sciences (AIIMS) due to cardiac arrest.
33. Who has been appointed as the new PM of Iceland?
34. Who will be appointed as the new director of the Tamil Nadu Cricket Association (TNCA) Academy for a period of two years?
35. The Labour Ministry has proposed a minimum monthly income of how much amount for contract workers, evoking strong reactions from the industry?
36. Who has topped the list of Forbes' "Asia 50 Power Businesswomen 2016" list, which acknowledges the inroads women are making in the business world, despite gender inequalities?
37. Which company plans to invest \$2 billion (over Rs. 13,000 crores) in India?

**Answers:**

- |   |                         |  |
|---|-------------------------|--|
| 1. Sidhartha V Mallya                       | 13. 7.6 per cent        | 26. Ash Carter                               |
| 2. Sardar Tara Singh                        | 14. \$20 billion        | 27. Keshav Prasad Maurya                     |
| 3. Hans-Dietrich Genscher                   | 15. Infosys Foundation  | 28. United States of America                 |
| 4. Pratyusha Banerjee                       | 16. Panama              | 29. Aircel                                   |
| 5. Shiva Thapa                              | 17. Gatimaan Express    | 30. China                                    |
| 6. Bollywood star Ranveer Singh             | 18. Htin Kyaw           | 31. India                                    |
| 7. Mahindra & Mahindra Ltd (M&M)            | 19. Iceland             | 32. Kamla Advani                             |
| 8. Vietnam                                  | 20. Srinivasa Ramanujan | 33. Sigurdur Ingi Johannsson                 |
| 9. Ain Shams University (ASU), Cairo, Egypt | 21. Scott Kelly         | 34. D. Vasu                                  |
| 10. 25 basis points                         | 22. China               | 35. Rs.10,000                                |
| 11. Noida, Uttar Pradesh                    | 23. Virat Kohli         | 36. Reliance Industries director Nita Ambani |
| 12. WhatsApp                                | 24. Ranjan Baidoor      | 37. American Tower Corporation (ATC)         |
|   | 25. 100 crores          |  |

**12<sup>th</sup> -17<sup>th</sup> APRIL**

1. In which temple, a fire tragedy took place resulting in the injury to a last number of people?
2. A crucial counter-terror pact is likely to signed between India and which country?

3. Name the former chief executive of Italian defence firm Finmeccanica who has sent to jail for bribing Indian officials in the 2010 deal for VVIP helicopters.
4. Which country launched a retrievable scientific research satellite in a bid to aid scientists to study microgravity and space life science?
5. The Centre will sanction contracts worth how many crores to modernise ports by May 26, according to Road Transport, Highways and Shipping Minister Nitin Gadkari?
6. Which company has become the first entity to receive final approval from the Reserve Bank of India (RBI) to start a payments bank?
7. Tata Steel announced an agreement to sell its long products to which Europe business investment firm for a "nominal" consideration?
8. Technology giant IBM has partnered with which company to provide a complete portfolio of cloud services to customers?
9. Name the Duke and Duchess of Cambridge who arrived in Mumbai on their first visit to India and paid tributes to the victims of the 26/11 Mumbai terror attacks.
10. Where is the G7 Foreign Ministers' meet kicked off recently?
11. Name the US Secretary of State who became the first U.S. secretary of state to visit Hiroshima's atomic bomb museum commemorating victims of the 1945 U.S. nuclear attack.
12. Name the Kyrgyz Prime Minister who resigned after several parliament members accused his cabinet of corruption.
13. Premier Futsal has named whom as its brand ambassador recently.
14. India has offered to invest \$20 billion in which country's petrochemical, fertilizer and liquefied natural gas (LNG) facilities and in return sought cheap natural gas and land to set up the units?
15. Which bank has picked up 19.9 per cent stake in Airtel M Commerce?
16. Which Outdoor gear, apparel and footwear company has launched a GPS tracking device called SPOT, a location monitoring device via app on smartphone?
17. Reserve Bank of India Governor Raghuram Rajan launched which payment system as its latest offering in boosting digital money transfers?
18. Which company planned to invest \$200 million (about Rs.1,330 crore) in India over the next five years?
19. With an aim to make karting more accessible to young drivers, which company has joined hands with Tata Motors to launch Indi-Karting National Series?
20. Name the Auto maker which opened a technical training facility in the northern region at Manesar to create a pool of trained and talented technicians.
21. The UAE's mobile communications and technology provider du has partnered with which India's mobility solutions provider for its value added services.
22. Which anti-talk faction of separatist outfit has threatened to blow up Bangladesh's largest gas transmission pipeline, prompting authorities to order an intensified security vigil?
23. The Haryana Government decided to rename Gurgaon as what?
24. Who are the three Indians who are among 55 academically exceptional and socially committed people from across the globe selected for the prestigious Gates Cambridge scholarship?
25. Which country will return two disputed Red Sea islands to Saudi Arabia after controlling it for over 60 years in a bid to "restore" the rights of Saudis?
26. Name the Indian Actress who won the 'Global Indian of the Year' award this year.
27. India with which country have agreed "in principle" on a logistics support agreement- the first proposed in 2004 and resisted by the UPA government for a decade -that would make it easier for both militaries to share each other's facilities?
28. Name the Former Sri Lanka captain and dashing left-hander is all set to return as the chairman of the senior selection committee taking over from Aravinda De Silva.
29. Name the British cricketer who died after being shot by robbers in Trinidad.
30. Which court has directed the Board of Control for Cricket in India (BCCI) to shift all Indian Premier League (IPL) matches scheduled to be played after April 30 outside of Maharashtra?
31. What is the name of the operation which was launched by Taliban, against government strongholds backed by suicide and guerrilla attacks to drive Afghanistan's Western-backed government from power?
32. Who was appointed as the new chairperson of the Indira Gandhi Nation Centre for Arts (IGNCA)?
33. Prime Minister Narendra Modi paid rich floral tributes to B.R. Ambedkar at his birth place. Where is the birthplace of Ambedkar located?
34. Prime Minister Narendra Modi inaugurated the Maritime India Summit 2016 in which city?
35. Which company has taken over a part of the abandoned assets of the western offshore Tapti gas field from its joint venture partners Reliance Industries and BG and will use it to produce gas from its Daman fields?
36. Name the Lithuanian start-up which offers a public transport app to help people plan their journey & is planning to enter the Indian market.
37. Name the Iconic Indian woman boxer who was named one of the eight ambassadors for the upcoming World Championships by the International Boxing Association (AIBA).
38. Pakistan with which country began their fifth joint air exercise, Shaheen-V, at an operational base in Pakistan?

39. Ukraine's parliament accepted the resignation of Prime Minister Arseny Yatsenyuk and appointed whom as the new head of government?
40. Which country is planning to ban the Jamaat-e-Islami, the country's biggest Islamist party?

**Answers:**

- |  |   |                             |
|--|---|-----------------------------|
| 1. Kollam temple, Kerala                           | 14. Iran  | 27. The U.S.                |
| 2. Maldives  | 15. Kotak Mahindra Bank                                   | 28. Sanath Jayasuriya       |
| 3. Giuseppe Orsi                                   | 16. Wildcraftt  | 29. Adrian St. John         |
| 4. China   | 17. Unified Payments Interface (UPI) System               | 30. The Bombay High Court   |
| 5. Rs.60,000 crores                                | 18. Pure Circle   | 31. "Operation Omari"       |
| 6. Bharti Airtel's Airtel M Commerce Services Ltd. | 19. JK Tyre   | 32. Ram Bahadur Rai         |
| 7. Greybull Capital                                | 20. Ford India  | 33. Kalipaltan Area of Mhow |
| 8. Reliance Communications (Rcom)                  | 21. Mahindra Comviva                                      | 34. Goregaon, Maharashtra   |
| 9. Prince William and Kate Middleton               | 22. United Liberation Front of Asom (ULFA)                | 35. State-owned ONGC        |
| 10. Hiroshima, Japan                               | 23. Gurugram  | 36. TRAFI                   |
| 11. John Kerry                                     | 24. Sagnik Dutta, Sampurna Chakrabarti and Malavika Nair. | 37. M.C. Mary Kom           |
| 12. Temir Sariyev                                  | 25. Egypt   | 38. China                   |
| 13. Virat Kohli                                    | 26. Aishwarya Rai Bachchan                                | 39. Volodymyr Groysman      |

**18<sup>th</sup> -25<sup>th</sup> APRIL**

- IMF predicts India's GDP growth rate will be how much percent in 2016 and 2017?
- Name the Defence Minister of India who has commenced his visit to China as part of an accelerated security dialogue between New Delhi and Beijing?
- As part of its steps to support budding entrepreneurs, the government on April 21 will launch a new service, to address various queries of start-ups in a timebound manner. Name the service?
- Name the Sri Lankan player who has retired from 50-over and Twenty20 internationals in order to carry on playing test matches?
- Who won the Formula One Chinese Grand Prix 2016?
- With interest rates declining, deposit growth in the country's banking system slowed to a 50-year low of how much percent in the last financial year, according to Reserve Bank of India data?
- Financial Software & Systems Pvt. Ltd. (FSS), a Chennai-based payments technology and transaction processing company, has inked agreements with how many banks to provide UPI (Unified Payment Interface) solution across the country on a hosted platform?
- Neyveli Lignite Corporation (NLC) with which organization are planning a joint venture for hiving off the latter's loss-making Raghunathpur Thermal Power Station (RTPS)?
- Which country notched up a thumping 4-0 victory over India in the summit showdown to win the Sultan Azlan Shah Cup hockey tournament in Ipoh?
- National Mission for Clean Ganga under the Ministry of Water Resources, River Development and Ganga Rejuvenation in collaboration with which institute announced the formal launch of Centre for Ganga River Basin Management and Studies (CGRBMS) in New Delhi?
- The world's largest Charkha is to be installed at which airport?
- Name the person who is the revenue secretary and headed a recent meeting of the "working group on intelligence apparatus?"
- Who becomes first Indian woman gymnast to qualify for Olympics?
- The OPEC meet which collapsed without freeze was going on at which place recently?
- World Heritage Day was observed all over the world on?
- Who is appointed as DG for Fire Services, Civil Defence and Home Guards?
- Name the co-founder of Hero Group who has passed away recently?
- The WCD Minister Smt Maneka Sanjay Gandhi launch the Beti Bachao, Beti Padho scheme in additional how many districts?
- Tennis player Rafael Nadal belonged to which country?
- The Pulitzer prizes have been awarded in how many categories?
- Who has been appointed chief selector of Pakistan?
- Name the two country which have signed the MoU for cooperation in traditional medicine and homoeopathy?
- Recently which country test-Fires 'Iskander' Tactical Ballistic Missile?
- Which organisation for the first time used an unmanned air vehicles or drones to inspect the ongoing work on the Dedicated Freight Corridor (DFC) project?
- Which Bank became the first private sector bank in India to open dedicated branch for startups?
- Name the American actress, who has passed away recently?
- Recently which state government Notified Affordable Plotted Housing Policy for low & medium towns?
- Barack Obama has nominated Indian-American \_\_\_\_\_ as the country's next envoy to central African nation Chad?
- Who has been promoted to international outdoor umpire by the International Hockey Federation (FIH) following her good performance at the recently-held Hawkes Bay Cup in Hastings, New Zealand?
- Name the Silicon valley coach and mentor, who has passed away recently?

31. The 14th meeting of the Foreign Minister of the Russian Federation, The Republic of India and the People's Republic of China was held in?
32. Board of Control for Cricket in India (BCCI) appointed as its Chief Executive Officer (CEO) to whom?
33. Name the Minister of state (Independent Charge) of environment, forest and climate change, who will sign the Paris Agreement on behalf of India?
34. Emirates Airline continues long standing relationship to which organisation recently?
35. Breaking the gender barrier, seven women officers of Short Service Commission batch of 2008-09 have been granted permanent commission by?
36. Who is appointed as Rubber Board chief?
37. Who is appointed as New lokayukta for Goa?
38. World Earth day celebrated on which day?
39. Which region has become the world's first region to wipe out Malaria, a mosquito-borne vector disease with zero cases reported in the year 2015 declared by WHO?
40. The National Assembly of which country elected the chief of the ruling Communist Party, Bounnhang Vorachit, as president in a transition of power necessitated by the completion of the maximum permissible 10 years in office by outgoing president Choummaly Sayasone?
41. Name the country, which has signed the MoU with India on technical cooperation in the field of capacity building, bench marking and bilateral exchange in infrastructure engineering?
42. Which country has replaced China as the top Foreign Direct Investment (FDI) destination according to FDI Intelligence?
43. The month-long Simhastha Kumbh mela, the largest congregation of Hindus, began in?
44. Name the Pop superstar who has passed away recently?
45. Who has been conferred with one of France's top honour 'The Order of Arts and Letters' for her contribution in promoting peace, solidarity, culture, education, and development?
46. Name the Indian company which has become first to join EP100 campaign?

**Answers:**

- |  |                           |  |
|--|---------------------------|--|
| 1. 7.5 per cent                                      | 16. P C Thakur            | 33. Prakash Javadekar  |
| 2. Manohar Parrikar                                  | 17. Satyanand Munjal      | 34. International Cricket Council (ICC)                      |
| 3. Twitter Seva                                      | 18. 61 districts          | 35. Indian Navy  |
| 4. Rangana Herath                                    | 19. Spain                 | 36. Ajith Kumar  |
| 5. Nico Rosberg                                      | 20. twenty-one categories | 37. P K Mishra   |
| 6. 9.7 per cent                                      | 21. Inzamam-ul-Haq        | 38. 22nd April   |
| 7. Six   | 22. India and Mauritius   | 39. Europe   |
| 8. Damodar Valley Corporation (DVC)                  | 23. Russia                | 40. Laos   |
| 9. Australia   | 24. Indian Railway        | 41. Bhutan   |
| 10. IIT-Kanpur                                       | 25. RBL Bank              | 42. India  |
| 11. Indira Gandhi International Airport in New Delhi | 26. Doris Roberts         | 43. Ujjain, Madhya Pradesh                                   |
| 12. Hasmukh Adhia                                    | 27. Haryana               | 44. Prince Rogers Nelson                                     |
| 13. Dipa Karmakar                                    | 28. Geeta Pasi            | 45. Mahatma Gandhi's granddaughter Tara Gandhi Bhattacharjee |
| 14. Qatar  | 29. Durga Thakur          | 46. Mahindra & Mahindra                                      |
| 15. 18 April   | 30. William Bill Campbell |  |
|  | 31. Moscow                |  |
|  | 32. Rahul Johri           |  |

**LAST WEEK APRIL 2016**

1. World Book Day or World Book and Copyright Day is a yearly event on?
2. Which country's first stealth fighter jet successfully took to the skies as the country joins a select group of world military powers wielding the radar-dodging technology?
3. Who has won a fifth term in office after taking more than 60 per cent of the vote in the first round of presidential polls in Chad?
4. The Ministry of External Affairs revoked Which businessman's passport under different sections of passport act?
5. Congo's President Denis Sassou Nguesso named former Finance Minister as the Prime Minister, bringing a one-time opposition leader into the government, Who is?
6. Name the Bollywood actor, who was named goodwill ambassador of the Indian contingent for the upcoming Olympic Games in Rio de Janeiro?
7. India's economy is likely to clock nearly what percentage growth in the current fiscal on the back of robust private consumption, which has benefited from lower energy prices and higher real incomes, according to PHD Chamber of Commerce?
8. Which Indian Company has bought crude oil from Iran after a 6-year break and is looking to strike a long-term fixed quantity deal, post lifting of sanctions?
9. Name the company, which plans to raise Rs. 300 crore through issuance of non-convertible debentures (NCDs) to meet its expansion plan?
10. Retirement fund body EPFO plans to launch which system on May 1 to dissuade premature PF withdrawals and encourage state governments to join its pension system?
11. The Army Commanders Conference is beginning in New Delhi. Who inaugurate the conference?
12. Who won women's doubles finals of Stuttgart Grand Prix tournament in Germany?
13. National Panchayati Raj Day (National Local Self-Government day) is the national day of India celebrated by Ministry of Panchayati Raj on?

14. Union Sports Ministry has decided to provide how much rupees per month as out of pocket allowance to the sports persons under the Target Olympic Podium (TOP) scheme in their preparation for the Olympics and Paralympics Games at Rio de Janeiro?
15. Maharashtra state government is seeking a loan of 5,000 crore rupees from the which international organization for implementing drought-mitigation steps, from water conservation to changing crop patten?
16. Dattu Bhokanal has qualified for the Rio Olympics after winning a silver in the finals of men's single sculls at the 2016 FISA Asian and Oceania Olympic Qualification Regatta at Chung-ju in South Korea. He is related to which game?
17. Which state govt has decided to give free laptops to first 500 meritorious students, who would secure a minimum of 95 per cent marks in annual Board examination of Class X in 2016-17?
18. The Heart of Asia conference 2016 has begun at which place?
19. The 11th Indo-Mongolia joint training Exercise, ----- 2016 to promote military associations between India and Mongolia has commenced in Mongolia?
20. Which country challenged India, China and 11 others on navigation rights?
21. Name the satellite which is all set to launch on 28th April, 2016?
22. Mondelçz India which is best known for its Cadbury chocolates has inaugurated a Rs. 1,265-crore plant in?
23. Which country will host the 2018 Commonwealth Judo Championships?
24. Which country's Government has ordered a two-day working week for public sector workers as a temporary measure to help it overcome a serious energy crisis?
25. India and which of the following country will start negotiations on Economic and Technological Cooperation Agreement(ETCA) in the next few months?
26. The Government of India has started the disinvestment process of the current fiscal as the GOI has planned to sell its 11.36% equity shares in the?
27. Patanjali Ayurved, which is a Fast-moving consumer goods (FMCG) venture promoted by yoga guru Ramdev will be investing over how much in the current fiscal for setting up six processing units and one Research and development (R&D) center as it follows a turnover of Rs 10,000 crore this year?
28. Name the IIT scholar who has won the international award on plant nutrition? Answer. K Ashok Kumar
29. Which state government has decided to pay 1,272 crore rupees interest on the crop loan taken by farmers from drought-hit areas during 2015-16 Kharif season?
30. Posting a huge operating loss of 3,100 million Norwegian Krone (around Rs. 2,530 crore) for its Indian telecom business, which company threatened to exit India if it fails to procure spectrum at reasonable rates?
31. India has successfully put into orbit its and final navigation satellite called IRNSS-1G with its own rocket.It is?
32. Which government has approved five per cent interest subvention to flood-hit traders with effect from 1st April this year?
33. Name the bank which has launched the "mobile only bank" in India?
34. Which note has been named the banknote of the year for 2015 by the International Bank Note Society?
35. The Union Cabinet chaired by the Prime Minister Narendra Modi has given its ex-post facto approval for the Memorandum of Understanding (MoU) between Insurance Regulatory and Development Authority of India (IRDAI) and the Insurance Authority of?
36. The Indian economy is likely to maintain its growth at how much per cent in 2016 and accelerate to how much per cent in 2017 respectively, led by high urban spending, steady employment and low inflation, according to a United Nations report on Asia-Pacific (UNESCAP)?
37. Who wins 2016 Nelson Mandela Award -
38. Name the person who has been appointed as Australia's Bowling coach? Which city has been declared as a Smoke-free City while the District Level Coordination Committee on Tobacco Control will soon bring out elaborate guidelines and rules for adherence by the public? Answer. Kohima, Nagaland
39. Name the person who bagged Gold Medal at Moscow Sand Sculpture Championship?
40. Name the Judo player who has won the gold at 2016 Commonwealth Judo Championship?

**Answers:**

- |   |                      |                                   |
|---|----------------------|-----------------------------------|
| 1. 23rd April                               | 14. World Bank       | 28. Maharashtra                   |
| 2. Japan                                    | 15. 24th April       | 29. Maharashtra                   |
| 3. Idriss Deby                              | 16. Rower            | 30. Telenor                       |
| 4. Vijay Mallya                             | 17. Haryana          | 31. Seventh                       |
| 5. Clement Mouamba                          | 18. New Delhi        | 32. Jammu & Kashmir               |
| 6. Salman Khan                              | 19. Nomadic Elephant | 33. DBS Bank                      |
| 7. 8 Per Cent                               | 20. USA              | 34. New Zealand's five-dollar     |
| 8. Reliance Industries                      | 21. IRNSS-33         | 35. UAE                           |
| 9. Tata Motors                              | 22. Andhra Pradesh   | 36. 7.6 per cent and 7.8 per cent |
| 10. 'One Employee One EPF Account'          | 23. India            | 37. Tabassum Adnan                |
| 11. Defence Minister Manohar Parrikar       | 24. Venezuela        | 38. Allan Donald                  |
| 12. Caroline Garcia and Kristina Mladenovic | 25. Sri Lanka        | 39. Sudarsan Pattnaik             |
| 13. 1 lakh rupees                           | 26. NHPC             | 40. Garima Chaudhary              |
|   | 27. 1150 crore       |                                   |



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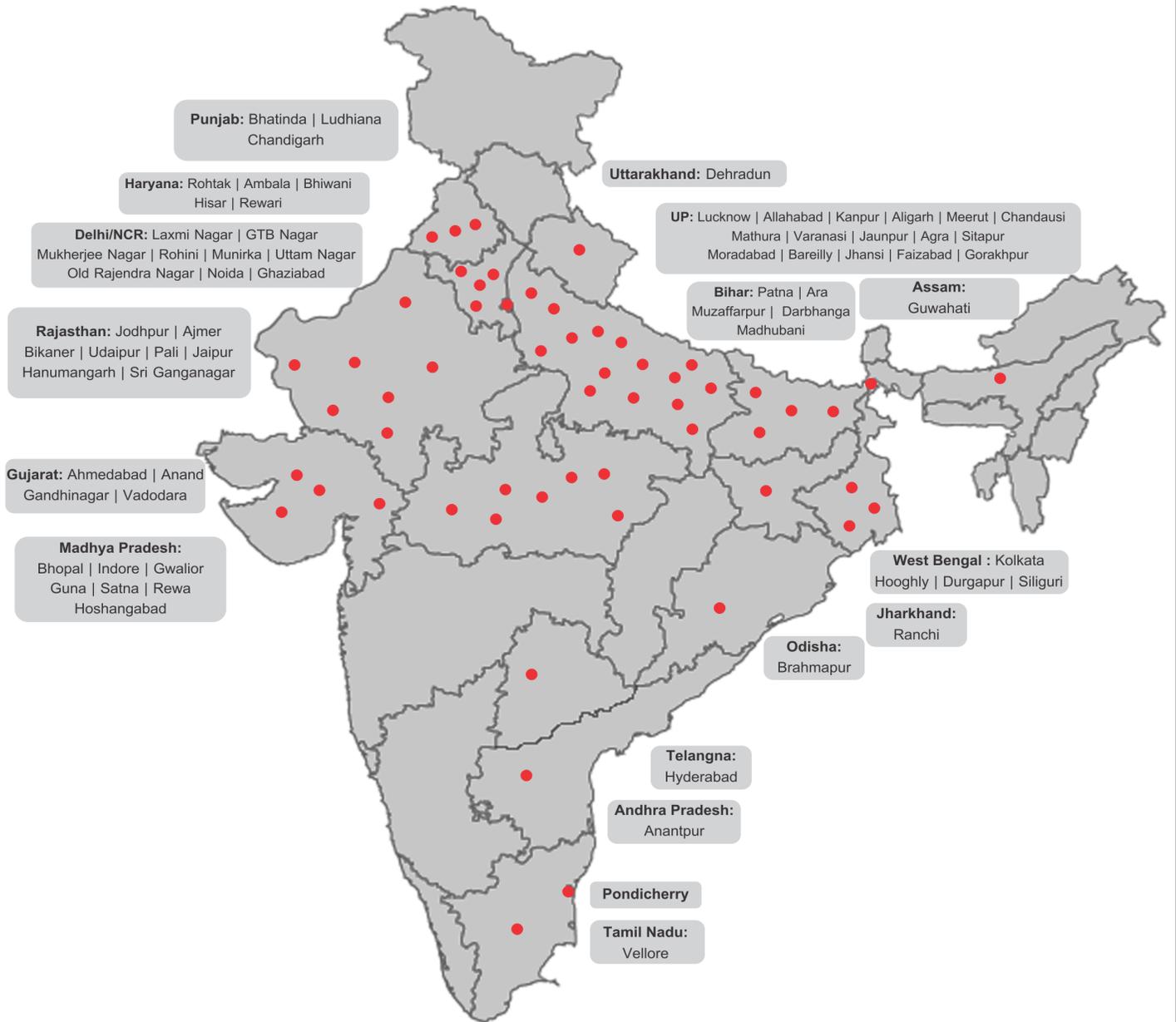
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## Twisted Ones Reasoning

**Directions (1-7):** Study the information given below and answer the given questions.

Nine people Smith, Steyn, Watson, Wiese, Cruise, Chris, Dale, Drum and Ricky stay in a building, but not necessarily in the same order. The building has nine floors and only one person stays on one floor. All of them own one car each, and each car is of a different colour, i.e. blue, grey, white, black, yellow, green, red, orange and pink, but not necessarily in the same order. The ground floor is numbered 1, the floor above it is numbered 2, and so on, and the topmost floor is numbered 9.

Drum owns a black-coloured car and stayed on an even-numbered floor. Smith stays on any even-numbered floor. Smith stays on any even-numbered floor below the floor on which Drum stays. The one who owns an orange-coloured car stays on the fourth floor. Cruise stays on the second floor and owns a white-coloured car. The one who owns a pink-coloured car stays on the third floor. Smith does not own a green coloured car. There are two floors between the floors on which the people owning the red and the black-coloured car. Watson owns a grey-coloured car. There are three floors between the floors on which Watson and Dale stay. Wiese stays on a floor immediately above Ricky's floor. There is one floor between the floors on which Chris and Dale stay. Chris does not own the pink coloured car. The one who owns the blue car stays on the topmost floor. Chris does not stay on the ground floor.

- Who amongst the following owns the green-coloured car?  
 (a) Wiese (b) Ricky (c) Dale  
 (d) Chris (e) None of the above
- Who amongst the following stays on the topmost floor?  
 (a) Chris (b) Dale (c) Wiese  
 (d) Watson (e) None of the above
- Smith owns a car of which of the following colours?  
 (a) Orange (b) Pink (c) Yellow  
 (d) Blue (e) None of the above
- Who stays on the floor which is exactly between the floor on which Drum stays and the floor on which Smith stays?  
 (a) Steyn (b) Dale (c) Watson  
 (d) Chris (e) None of the above
- How many floors are there between the floor on which Ricky stays and the floor on which Watson stays?  
 (a) One (b) Two (c) None  
 (d) Three (e) More than three
- Which of the following is true as per the given information?  
 (a) Steyn stays on a floor immediately below the floor on which Drum stays.  
 (b) Dale stays on a floor immediately above the floor on which Smith stays.  
 (c) Chris stays on the eighth floor.  
 (d) Wiese owns the orange-coloured car.  
 (e) None of these
- On which of the following floors does Dale stay?  
 (a) 1<sup>st</sup> (b) 6<sup>th</sup> (c) 5<sup>th</sup>  
 (d) 7<sup>th</sup> (e) None of these

**Directions (8-10):** Read the following information carefully and answer the questions given below:

Eight friends Broad, Jocky, Bisht, Stoke, Seena, Jesus, Laos and Chris are sitting around a circular table for lunch. Each person has a different birthplace viz London, New York, Sydney, Tokyo, Paris, Corsica, Moscow and Bangkok but not necessarily in the same order.

The person born in New York sits third to the right of Laos. Bisht is an immediate neighbour of Laos. The person born in Tokyo sits second to the right of Bisht. Jocky sits third to the right of Chris. Chris's birthplace is neither New York nor Tokyo. Only one person sits between Bisht and the person whose birthplace is Sydney. Broad and Jesus are immediate neighbours of each other. Neither Broad's nor Jesus's birthplace is New York. The person born in Bangkok sits second to the right of Broad. Two persons sit between Stoke and the person born in Paris. Stoke is not from New York. The person born in London is not an immediate neighbour of the person born in New York. The person born in Corsica sits second to the left of Broad.

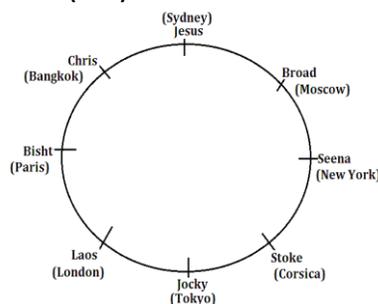
- Who among the following is from Moscow?  
 a) Broad b) Chris c) Bisht d) Jesus e) Stoke
- What is the position of Jesus with respect to the person whose birthplace is New York?  
 a) Second to the left b) Second to the right  
 c) Immediate right d) Immediate left  
 e) None of the above
- Where is the birthplace of Laos?  
 a) Moscow b) London c) Corsica  
 d) Sydney e) Tokyo

**Directions (1-7):**

Person	Floor	Colour of car
Steyn	9	Blue
Drum	8	Black
Chris	7	Green
Smith	6	Yellow
Dale	5	Red
Wiese	4	Orange
Ricky	3	Pink
Cruise	2	White
Watson	1	Grey

1. (d) 2. (e) 3. (c) 4. (d) 5. (a) 6. (d) 7. (c)

**Directions (8-10):**



8. (a) 9. (b) 10. (b)

## Twisted Ones Quantitative Aptitude

1. Hussain went to the AIIMS at the speed of 60 km/hr while returning for his home he covered the half of the distance at the speed of 10 km/hr, but suddenly he realized that he was getting late so he increased the speed and reached the home by covering rest half of the distance at the speed of 30km/hr. The average speed of the Hussain in the whole length of journey is:  
(a) 5.67 km/hr      (b) 24 km/hr      (c) 22.88 km/hr  
(d) 5.45 km/hr      (e) None of these
2. John earns  $3/2$  times in January, April, July and October than his average earning of `600 per month in the rest of the month. So his savings in the January, April, July and October goes to  $5/4$  times that of the rest months saving of ₹400 per month in the year. The average expenditure of per month is:  
(a) ₹266.66      (b) ₹250      (c) ₹233.33  
(d) ₹433.33      (e) None of these
3. The average age of Shekar and Gautom is 35 years. If Kaif replaces shekar, the average age becomes 32 years and if Kaif replaces Gautom, then the average age becomes 38 years. If the average age of Dhoni and Irfan be half of the average age of Shekar, Gautom, and Kaif, then the average age of all the five people is:  
(a) 28 years      (b) 32 years      (c) 25 years  
(d) 27 years      (e) None of these
4. The average rain fall in the months of January and February is 6 cm and in the months of March to June is 5 cm and July to October is 10 cm and in the November and December, it is 6 cm. The average rainfall for the whole year is:  
(a) 7      (b) 5.5      (c) 7.5  
(d) none of these      (e) None of these
5. On an average 300 people watch the movie in Sahu Cinema hall on Monday, Tuesday and Wednesday and the average number of visitors on Thursday and Friday is 250. If the average number of visitors per day in the week be 400, then the average number of people who watch the movie in weekends (i.e., on Saturday and Sunday) is:  
(a) 500      (b) 600      (c) 700  
(d) none of these      (e) None of these
6. The average age of a family of 6 members 4 year ago was 25 years. Mean while a child was born in this family and still the average age of the whole family is same today. The present age of the child is:  
(a) 2 years      (b)  $1\frac{1}{2}$  years      (c) 1 year  
(d) data insufficient      (e) None of these
7. The average salary is being paid to all its employees by the Biotech corporation is `15,500. The average salary of the senior employees is `18000 per month and the average salary of the junior employees is `12,000 per month. If there are only two levels of employees viz junior and senior level, then what fraction of the total employees is the junior level employees are:  
(a)  $\frac{7}{10}$       (b)  $\frac{5}{12}$       (c)  $\frac{5}{10}$   
(d) none of these      (e) None of these
8. There were five sections in Banking Exam paper. The average score of Allya in first 3 sections was 83 and the average in the last 3 sections was 97 and the average of all the sections (i.e., whole paper) was 92, then her score in the third section was:  
(a) 85      (b) 92      (c) 88  
(d) none of these      (e) None of these
9. Vidushi gets 40 marks out of 50 in Computer Science, 70 out of 100 in Manufacturing science and 142 out of 150 in professional communication. The average marks of Vidushi(in percent) in all the three subjects is:  
(a) 84%      (b) 76%      (c) 71%  
(d) 60%      (e) None of these
10. The average weight of M, N, O and P is 40 kg. A new person Q is also included in the group, then the average weight of the group is increased by 1kg. Again a new person R replaces M, then the new average of 5 person becomes 42. The average weight of N, O, P, R is:  
(a) 42      (b) 41.25      (c) 42.5  
(d) none of these      (e) None of these

### Solution

1. (b) Let the distance = x

$$\text{Average speed} = \frac{\text{Total distance}}{\text{Total time}}$$

$$= \frac{(x+x)}{\frac{x}{60} + \frac{x}{10} + \frac{x}{30}} = \frac{2x}{\left(\frac{x+3x+x}{60}\right)}$$

$$= 24 \text{ kmph.}$$

2. (a) Total earning of 8 months =  $600 \times 8 = 4800$

Total earning of remaining 4 months

$$= \left(600 \times \frac{3}{2}\right) \times 4 = 3600$$

Total saving of 8 months =  $400 \times 8 = 3200$

Total saving of Remaining 4 months

$$= \left(400 \times \frac{5}{4}\right) \times 4 = 2000$$

Total expenditure

$$= (4800 + 3600) - (3200 + 2000)$$

$$= 8400 - 5200 = 3200$$

$$\text{Average Expenditure} = \frac{3200}{12} = 266.66$$

3. (a)  $S + G = 35 \times 2 = 70$

$$K + G = 32 \times 2 = 64$$

$$K + S = 38 \times 2 = 76$$

$$\text{So, } S + G + K = \frac{1}{2}(70 + 64 + 76) = 105$$

$$\text{Average age of } S, G \text{ and } K = \frac{105}{3} = 35$$

$$\frac{D+I}{2} = \frac{35}{2}$$

$$D + I = 35$$

$$\text{Required Average} = \frac{105+35}{5} = \frac{140}{5} = 28$$

4. (a) Jan + Feb =  $6 \times 2 = 12$

$$\text{Mar + Apl + May+ Jun} = 5 \times 4 = 20$$

$$\text{July + Aug+ Sep + Oct} = 4 \times 10 = 40$$

$$\text{Nov + Dec} = 6 \times 2 = 12$$

Required Average

$$= \frac{(12 + 20 + 40 + 12)}{12} = 7$$

5. (c) Mon + Tues + Wed =  $300 \times 3 = 900$

$$\text{Thr. + Fri.} = 250 \times 2 = 500$$

$$\text{Mon. to Sun.} = 400 \times 7 = 2800$$

$$\text{Required Avg.} = \frac{1}{2}[2800 - (900 + 500)] = 700$$

6. (c) Total age of family of 6 members

$$= 25 \times 6 + 4 \times 6$$

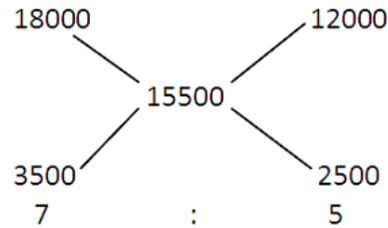
$$= 174$$

Total age of family of 7 members

$$= 25 \times 7 = 175$$

$$\text{So, present age of child} = 175 - 174 = 1 \text{ year}$$

7. (b) By Rule of Alligation



$$\text{Required} = \frac{5}{(7+5)} = \frac{5}{12}$$

8. (d) I + II + III =  $83 \times 3 = 249$

$$\text{III + IV + V} = 97 \times 3 = 291$$

$$\text{I to V} = 92 \times 5 = 460$$

$$\text{III} = (249 + 291) - 460 = 80$$

9. (a)

10. (b)  $M+N+O+P=40 \times 4=160$

$$M+N+O+P+Q=41 \times 5=205$$

$$N+O+P+Q+R=42 \times 5=210$$

$$Q = 45$$

$$N+O+P+R=210-45=165$$

$$\text{Required Average} = \frac{165}{4} = 41.25$$



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Ambala | Bhiwani | Gwalior | Guna | Rewa | Bhopal | Indore | Brahmur | Bhatinda | Ludhiana | Chandigarh | Patna  
Pali | Jodhpur | Kolkata | Hooghly | Durgapur | Ranchi | Udaipur | Jaipur | Bikaner | Sri Gangar Nagar  
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## Twisted Ones English Language

**Direction (1-5):** In each question below a sentence is given a part of which is printed in bold and underline type. This part may contain a grammatical error. Each sentence is followed by phrases 1, 2, 3 and 4. Find out which phrase should replace the phrase given in bold/underline to correct the error, if there is any to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and no correction is required mark 5. i.e. 'No correction required' as the answer.

- Despite he's considerable wealth**, Mr. Premji led a simple life.  
A. Because of his considerate      B. Despite he is considerably  
C. Inspite of his considerable      D. Through his considerable  
E. No correction required
- Recently flood** in the region has destroyed the livelihood of several thousand tribals.  
A. Recently flooded      B. In the recent flood  
C. Recent flooding      D. During recent flood  
E. No correction required
- The Board is **favouring towards** signing of the contract with the newly launched insurance company.  
A. was favourable in      B. as a favour will  
C. has been favoured to      D. is in favour of  
E. No correction required
- Anyone can fill up the application on-line **if you have access to internet**.  
A. if you have had access to      B. if you were to access  
C. if you would like to have access for  
D. if he or she has access to      E. No correction required
- He was **much ambitious** but he did not work hard enough.  
A. so much of ambition      B. mostly ambitious  
C. much more ambition      D. very ambitious  
E. No correction required

**Direction (6-10):** Each of the sentences below has one or two blanks, each blank indicating that a word or set of words has been omitted. Beneath the sentence are five lettered words or sets of words. You are to choose the one word or set of words that, when inserted into the sentence, BEST fits in with the meaning of the sentence as a whole.

- The levels of honesty are alarmingly declining in our country. A majority of the government officials today are \_\_\_\_\_.  
A. verbose      B. venal      C. usury  
D. upbraid      E. vulpine
- Contrary to his outward appearance of congeniality, he is quite \_\_\_\_\_.  
A. resilient      B. refulgent      C. reticent  
D. pretentious      E. polemic
- Such honesty is of no use to the people if the Prime Minister allows his ministers to make money by corrupt means, even if it is in the name of \_\_\_\_\_ party funds  
A. vilipending      B. augmenting      C. tapering  
D. subverting      E. engendering
- Malls are one of the few places where everyone comes together to escape the \_\_\_\_\_ summer heat.  
A. dulcet      B. supercilious      C. innocuous  
D. vicious      E. fervid

- He is not able to work efficiently in the office as he always feels \_\_\_\_\_ by domestic responsibilities.  
A. instigated      B. trammeled      C. belittled  
D. unflustered      E. inspired

### Solution:

- C; Since the statement is a thought reverser, we need opposite flag word for which we have two options – despite and inspite of. Another point to be noted: he's means he is whereas his is a possessive pronoun. Since we need a possessive pronoun here, the right answer is option C
- C; We need the subject for 'has' in this sentence. So the right answer is option (C) - recent flooding.
- D; The right usage is 'is in favour of'. So option D is the answer.
- D; Anyone, Everyone, Somebody, anybody –this category of pronouns is always singular and is followed by singular possessive pronouns. So option D is the answer.
- D; Since there is no comparison in the sentence, we need a simple adverb 'very' to modify the adjective 'ambitious'. So option D is the answer.
- B;
- C; The question needs a word that goes opposite of congeniality, which showcases how the person is opposite of what is intended by the author. This sentiment is best found in option C, which shows that the person is shy (reticent) instead of being congenial, that is social and amiable. The meanings of the other words are as follows: Resilient - rebounds readily. Refulgent - radiating or as if radiating light. Polemic - involving dispute or controversy.
- B; On reading the sentence, we learn that the ministers are using corrupt means. The phrase 'even if only for' tells that the dishonest means are helping to increase the party funds. Hence, the word augmenting is used in the given context, which means enlarge or increase. The meanings of the other words given in the options are: 1. Vilipending- regarding something as of little value. 2. Tapering- Gradually decreasing. 3. Subverting- causing the downfall of something. 4. Engendering-generating or creating. The actual choice in this question is between the words engendering and augmenting. The point needs to be understood here is that these funds are not being created, they are being added on to; thus, augment is the suitable choice.
- D; The word escape tells that the summer heat is unpleasant or something that bothers everyone. Hence, the appropriate option for the blank would be vicious. Vicious means something causing pain and trouble. The meanings of the other words given in the options are: 1. Supercilious: expressive of contempt. 2. Dulcet-extremely pleasing. 3. Innocuous-not injurious to physical or mental health. 4. Fervid- Characterized by intense emotion.
- B; As the person is not able to work efficiently in office, he is being restricted by something, which is the domestic responsibilities this case, hence the word 'trammelled', which means 'restricted or shackled by something'. Belittled means to feel inferior to someone. Instigated means 'provoke'. Unflustered means 'free from emotional agitation'.

## Current Affairs Practice Set

1. In Which field is related to ENVIS portal?  
(a) Science (b) Health (c) Environment  
(d) Corporate (e) None of the above
2. BHEL on 18 February 2016 commissioned a 270 MW generation unit in Which State?  
(a) Haryana (b) Gujarat (c) Punjab  
(d) Madhya Pradesh (e) None of the above
3. In which year was UN Framework Convention on Climate Change (UFCCC) was adopted?  
(a) 1990 (b) 1991 (c) 1992  
(d) 1993 (e) 1994
4. The National Pollution Control Day is celebrated every year on  
(a) 10 Dec (b) 2 Dec (c) 16 Dec  
(d) 18 Dec (e) 20 Dec
5. Which of the following countries announced to make the Chinese yuan legal tender in the country recently?  
(a) Sri Lanka (b) Myanmar (c) Maldives  
(d) Zimbabwe (e) Seychelles
6. Who is the Winner of World Press Photo of 2015?  
(a) Mario Curz (b) Jhon J. Kim  
(c) Kevi Freyer (d) Warren Richardsen  
(e) None of the above
7. The International Tennis Federation (ITF) named which of the following pairs as the 2015 ITF women's doubles World Champions?  
(a) Hsieh Su-wei and Peng shuai  
(b) Sara Errani and Robert Vinci  
(c) Ekaterina Makarova and Elena Vesnina  
(d) Sania Mirza and Martina Hingis  
(e) Bethanie Mattek-sands and Lucie Safarova
8. Which two States utilised close to Rs 150 crore of the funds allocated to the states for setting up different waste management projects under the Swachh Bharat Mission on 18 February 2016?  
(a) Tamil Nadu and Bengal  
(b) Maharastra and Kerala  
(c) Tamil Nadu and Kerala  
(d) West Bengal aand Odisha  
(e) None of the above
9. Which Company replace the conventional car key and fob with a smartphone application in 2017?  
(a) Toyato (b) Volvo (c) Ford  
(d) Renault (e) Audi
10. Who is the Chief Minister of Arunachal Pradesh on February 19, 2016?  
(a) Kalikho Pul (b) President Rule  
(c) Nambam Tuki (d) Jarbom Gamlin  
(e) None of the above
11. The World Bank has decided to lend support the project of energy reforms and a detailed report has been prepared focusing on conventional and non-conventional sources of energy, But Which State is related the Project?  
(a) Tamil Nadu (b) Rajasthan (c) Karnataka  
(d) New Delhi (e) None of the Above
12. India and Armenia Sign MoU on February 19,2016, Which is related to the field ?  
(a) Broadcast (b) Agriculture (c) Medicine  
(d) Exchange of and drink (e) None of the above
13. How many States are allocated highway projects worth Rs 6,000 on February 20, 2016?  
(a) 6 (b) 8 (c) 12  
(d) 10 (e) 14
14. Who is the winner of the Sir Garfield Sobers Trophy for ICC Cricketer of the Year 2015?  
(a) Brendon Mc Cullam (b) Setve Smith  
(c) Faf du plesis (d) Josh Hazlewood  
(e) AB de Villiers
15. The book titled "On My Terms: From the Grassroots to the Corridors of Power" is the autobiography of  
(a) Narendra Modi (b) Nitish Kumar  
(c) Naveen Patnaik (d) J.Jayalalthaa  
(e) Sharad Pawar
16. Aditya Birla Nuvo on Friday announced it is forming a joint venture with Idea Cellular to form a payments bank .Identify the name of the bank?  
(a) Aditya Birla-Idea Payments Bank Limited  
(b) Aditya Birla Payments Bank  
(c) Idea Payments Bank Limited  
(d) Aditya Birla Idea payments Bank  
(e) None of the above
17. Identify the Name of fastest century in Test history on February 20, 2016?  
(a) Virat kohali (b) Misbah-ul-haq  
(c) Brendon McCullum (d) Virender Sehwag  
(e) None of these
18. U.S. warplanes launched air strikes on February 19, 2016, which place was affected due to this launch?  
(a) Turkey (b) Libya (c) Iraq  
(d) Syria (e) None of these
19. The World Refugee Day is observed on  
(a) 20 June (b) 19 June (c) 21 June  
(d) 22 June (e) 23 June
20. As a part of its efforts to give further fillip to the all round development of the state, which of the following states has decided to observe 2015-16 as the "year of development"?  
(a) Punjab (b) Rajasthan (c) MP  
(d) Uttarakhand (e) UP

Q.	Ans.	Q.	Ans.	Q.	Ans.	Q.	Ans.
1.	d	6.	d	11.	b	16.	b
2.	c	7.	d	12.	b	17.	c
3.	a	8.	a	13.	b	18.	b
4.	b	9.	b	14.	b	19.	a
5.	d	10.	a	15.	e	20.	a

# SSC-CGL (TIER-I) 2016 PRACTICE SET

## GENERAL INTELLIGENCE & REASONING

**Directions (1-9):** In each of the following questions select the related letter/word/number from the given alternatives:

- Touch : Feel :: Greet : ?  
(a) Smile (b) Acknowledge  
(c) Success (d) Manners
- TALE: LATE :: ? : CAFE  
(a) FACE (b) CAEF  
(c) CEFA (d) FEAC
- 3 : 243 :: 5 : ?  
(a) 15625 (b) 625  
(c) 3125 (d) 225
- 6 : 18 :: 4 : ?  
(a) 2 (b) 6  
(c) 9 (d) 16
- House: Room :: World : ?  
(a) Land (b) Sun  
(c) Air (d) Nation
- DEPRL: LRPED :: POCKET: ?  
(a) TECHOP (b) TEKOCP  
(c) TEKOP (d) LKBGPK
- 5 : 36 :: 6; ?  
(a) 48 (b) 50  
(c) 49 (d) 56
- 456 : 15 :: 789 : ?  
(a) 15 (b) 16  
(c) 18 (d) 24
- Carbon : Diamond :: Corundum : ?  
(a) Garnet (b) Ruby  
(c) pukhraj (d) Pearl

**Directions (10-18):** Select the one which is different from the other three responses.

- (a) Mizoram (b) Sikkim  
(c) Kohima (d) Manipur
- (a) Amoeba (b) Bacteria  
(c) Germs (d) Microbes
- (a) IJCD (b) WYTS  
(c) QRKL (d) PQMN
- (a) 8 (b) 42  
(c) 49 (d) 35
- (a) 81 : 243 (b) 16 : 64  
(c) 64 : 192 (d) 25 : 75
- (a) Herring (b) Shark  
(c) Barracuda (d) Whale
- (a) Abundance (b) Plentiful  
(c) Copious (d) Ample
- (a) 24 (b) 60  
(c) 124 (d) 210

- (a) nod (b) abode  
(c) shy (d) across
- Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?  
ac – cab – baca – aba – acac  
(a) aacb (b) acbc  
(c) babb (d) bcbb
- If the word PORTER can be coded as MBNZQN, how can be REPORT be written?  
(a) NQMNBZ (b) NQMBNZ  
(c) NBQMNZ (d) NQBMNZ
- Pointing towards Shizuka, Nobita said, I am the only son of her mothers son. How is the shizuka related to the Nobita?  
(a) Aunt (b) Niece  
(c) Mother (d) Cousin
- Arrange the following in logical order:  
1. Guwahati 2. Asia 3. Assam 4. World 5. India  
(a) 1, 5, 3, 2, 4 (b) 2, 1, 3, 5, 4  
(c) 3, 1, 5, 2, 4 (d) 5, 4, 2, 1, 3
- 2, 5, 9, 19, 37 ?  
(a) 73 (b) 75  
(c) 76 (d) 78
- 10000, 11000, 9900, 10890, 9801, ?  
(a) 10241 (b) 10423  
(c) 10781 (d) 10929
- In a certain code, PRODUCTIONS is written as QQPCVEUHPMT. How is ORIENTATION written in that code?  
(a) PQJDOVBSJNO (b) PQJDOUBUJPO  
(c) PSJFOVBSJNO (d) NESHFMVBSJNO
- If SUMMER is coded as RUNNER, the code for WINTER will be.  
(a) SUITER (b) VIOUER  
(c) WALKER (d) SUFER
- Pointing towards a person, a man said to a woman, "His mother is the only daughter of your father." How is the woman related to that person?  
(a) Daughter (b) Sister  
(c) Mother (d) Wife
- Which of the following words will come fourth in the English dictionary?  
(a) False (b) Follow  
(c) Faithfully (d) Fallible
- Arrange the following words according to dictionary arrangement:  
1. Epitaxy (2) Episode 3. Epigene  
4. Epitome 5. Epilogue  
(a) 1,2,3,4,5 (b) 3,2,5,4,1

- (c) 3,5,2,1,4 (d) 5,4,2,1,3
30. Gene is fourteenth from the right end in a row of 40 boys. What is his position from the left end?  
 (a) 24<sup>th</sup> (b) 25<sup>th</sup>  
 (c) 26<sup>th</sup> (d) 27<sup>th</sup>
31. In a row of boys, A is thirteenth from the left and D is seventeenth from the right. If in this row A is eleventh from the right then what is the position of D from the left?  
 (a) 6<sup>th</sup> (b) 7<sup>th</sup>  
 (c) 10<sup>th</sup> (d) 12<sup>th</sup>
32. In a row of boys, Jeevan is seventh from the start and eleventh from the end. In another row of boys, Vikas is tenth from the start and twelfth from the end. How many boys are there in both the rows together?  
 (a) 36 (b) 37  
 (c) 39 (d) 38
33. If + means  $\div$ ,  $\div$  means -, - means  $\times$ ,  $\times$  means +, then  $12 + 6 \div 3 - 2 \times 8 = ?$   
 (a) -2 (b) 2  
 (c) 4 (d) 8
34. What is the product of all the numbers in the dial of a telephone?  
 (a) 1,58,480 (b) 1,59,450  
 (c) 1,59,480 (d) 0
35. The 30 members of a club decided to play a badminton singles tournament. Every time a member loses a game he is out of the tournament. There are no ties. What is the minimum number of matches that must be played to determine the winner?  
 (a) 15 (b) 29  
 (c) 61 (d) None of these
36. If you are facing north-east and move 10 m forward, turn left and move 7.5 m, then you are  
 (a) North of your initial position  
 (b) south of your initial position  
 (c) east of your initial position  
 (d) 12 m from your initial position
37. A man is facing towards west and he turns 45° clockwise direction and the another 180° in same direction the 270° anti clockwise direction. In which direction is he facing now?  
 (a) south (b) North-west  
 (c) west (d) South-west

**Directions (38-40):** Find the missing character from among the given alternatives.

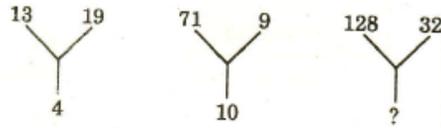
38.

20160	4
?	4
480	8
96	24

- (a) 860 (b) 1140

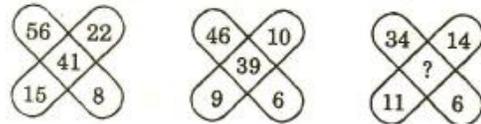
- (c) 2880 (d) 3240

39.



- (a) 10 (b) 15  
 (c) 20 (d) 25

40.



- (a) 12 (b) 25  
 (c) 48 (d) 50

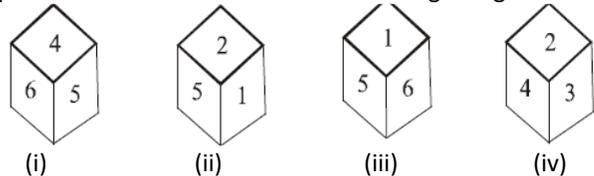
41. If Z = 26, NET = 39, then NUT = ?

- (a) 50 (b) 53  
 (c) 55 (d) 56

42. Each letter of the alphabet from Z to A has been given a value from 1 to 26 serially. What is the total value of the word CONSEQUENCE?

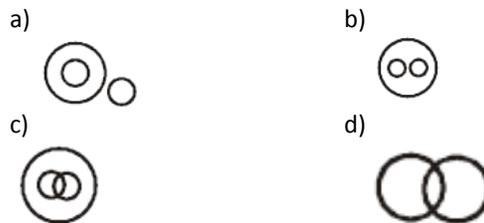
- (a) 137 (b) 154  
 (c) 176 (d) 196

43. Which number is on the face opposite 4, if the four different positions of a dice are as shown in the figures given below.



- (a) 5 (b) 3  
 (c) 3 (d) 1

44. Find out which of the diagram as given in the alternatives correctly represents the relationship stated in the question. Fish, shark, frog



**Directions (45-46):** In each of the following questions one/two statements are given followed by two conclusions (I) and (II). You have to consider the two statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions any follow from the given statement.

45. **Statements:** All cats are dogs. All dogs are pens.

- Conclusions:**  
 I. All cats are pens. II. All pens are cats.

- a) Only I follows.                      b) Only II follows  
 c) Either I or II follows              d) Neither I nor II follows

**46. Statements:**

Raman is always successful.      No fool is always successful.

**Conclusions:**

**I.** Raman is fool.                      **II.** Raman is not fool.

- a) Only I follows                      b) Only II follows  
 c) Either I or II follows              d) Neither I or II follows

**Directions (47):** In the following question consist of a statement followed by two argument (I) and (II).

**Give answer:**

- a) if only argument I is strong  
 b) if only argument II is strong  
 c) if neither I nor II is strong  
 d) if both I and II strong

**47. Statement:** Should a total ban be put on trapping wild animals?

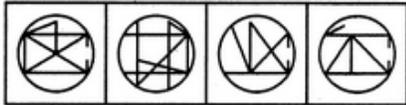
**Arguments: I.** Yes, trappers are making a lot of money.  
**II.** No, bans on hunting and trapping are not effective.

**48.** From the given answer figures, select the one in which the question figure is hidden.

**Question Figure**



**Answer Figures**



- (a)                      (b)                      (c)                      (d)

**49.** If a mirror is placed on the line AB, then which of the answer figures is the right image of the given

**Question Figure**



**Answer Figures**



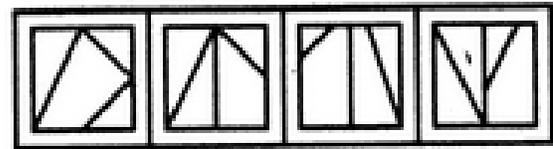
- (a)                      (b)                      (c)                      (d)

**50.** Among the following, four answer figure, which figure can be formed the cut-pieces given below in the question figure.

**Question Figure:**



**Answer Figures:**



- (a)                      (b)                      (c)                      (d)

**QUANTITATIVE APTITUDE**

- 51.** In what ratio must a grocer mix teas at Rs. 60 a kg, and Rs. 65 a kg, so that by selling the mixture at Rs. 68.20 a kg, he may gain 10%?  
 (a) 3 : 2                                      (b) 3 : 4  
 (c) 3 : 5                                      (d) 4 : 5
- 52.** A man had 100 kgs of sugar, part of which he sold at 7% profit and rest at 17% profit. He gained 10% on the whole. How much did he sell at 7% profit?  
 (a) 65 kg                                      (b) 35 kg  
 (c) 30 kg                                      (d) 70 kg
- 53.** The price of rice is reduced by 2%. How many kilograms of rice can now be bought for the money which was sufficient to buy 49 kgs of rice earlier?  
 (a) 48 kgs.                                      (b) 49 kgs.  
 (c) 50 kgs.                                      (d) 51 kgs.
- 54.** A batsman scored 110 runs which included 3 boundaries and 8 sixes. What per cent of his total score, did he make by running between the wickets?

- (a) 45%                                      (b)  $45\frac{5}{11}\%$   
 (c)  $54\frac{6}{11}\%$                                       (d) 55%
- 55.** If both the radius and height of a right circular cone are increased by 20%, its volume will be increased by  
 (a) 20%                                      (b) 40%  
 (c) 60%                                      (d) 72.8%
- 56.** In an examination, 52% students failed in Hindi and 42% in English. If 17% failed in both the subject, what percentage of students passed in both the subjects?  
 (a) 38%                                      (b) 33%  
 (c) 23%                                      (d) 18%
- 57.** The least number, which must be added to 6709 to make it exactly divisible by 9, is  
 (a) 5    (b) 4  
 (c) 7    (d) 2
- 58.**  $\frac{10.3 \times 10.3 \times 10.3 + 1}{10.3 \times 10.3 - 10.3 + 1}$  is equal to :  
 (a) 9.3    (b) 10.3

- (c) 11.3 (d) 12.3
59. The greatest number, that divides 122 and 243 leaving respectively 2 and 3 remainders, is  
 (a) 12 (b) 24  
 (c) 30 (d) 120
60.  $\frac{1.49 \times 14.9 - 0.51 \times 5.1}{14.9 - 5.1}$  is equal to :  
 (a) 0.20 (b) 20.00  
 (c) 2.00 (d) 22.00
61.  $(0.04)^{-1.5}$  on simplification gives:  
 (a) 25 (b) 125  
 (c) 250 (d) 625
62. The number nearest to 10000, which is exactly divisible by each of 3, 4, 5, 6, 7 and 8, is :  
 (a) 9240 (b) 10080  
 (c) 9996 (d) 10000
63. Given  $1 + 2 + 3 + 4 + \dots + 10 = 55$ , then the sum  $6 + 12 + 18 + 24 + \dots + 60$  is equal to :  
 (a) 300 (b) 655  
 (c) 330 (d) 455
64. 3 years ago, the average age of a family of 5 members was 17 years. A baby having been born, the average age of the family is the same today. The present age of the baby is :  
 (a) 3 years (b) 2 years  
 (c)  $1\frac{1}{2}$  years (d) 1 year
65. The average of runs of a cricket player of 10 innings was 32. How many runs must he make in his next inning so as to increase his average of runs by 4?  
 (a) 76 (b) 70  
 (c) 4 (d) 2
66. The average of 8 numbers is 20. The average of first two numbers is  $15\frac{1}{2}$  and that of the next three is  $21\frac{1}{3}$ . If the sixth number be less than the seventh and eighth numbers by 4 and 7 respectively, then the eighth number is :  
 (a) 18 (b) 22  
 (c) 25 (d) 27

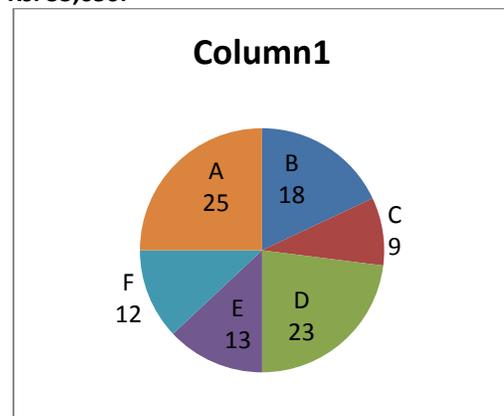
**Directions (67-69):** Study the table carefully and answer the questions given below.

Yearly production (in thousands) of scooters in different factories.					
Factory	1985	1986	1987	1988	1989
P	20	15	24	13	17
Q	16	23	41	20	15
R	14	21	30	16	12
S	25	17	15	12	22
T	40	32	39	41	35
Total	115	108	149	102	101

67. In which year, the production of scooters of all factories was equal to the yearly average number of scooters produced during 1985-89?  
 (a) 1985 (b) 1986  
 (c) 1987 (d) 1988

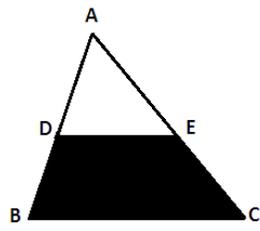
68. Which factory/factories showed a decrease of 25% in the production of scooters in 1989 as compared to 1988?  
 (a) P (b) S  
 (c) Q and R (d) P and T
69. The ratio of the production of scooters by factory P to that by factory T in 1985 is  
 (a) 2 : 3 (b) 1 : 2  
 (c) 3 : 2 (d) 2 : 1
70. A student purchased a computer system and a colour printer. If he sold the computer system at 10% loss and the colour printer at 20% gain, he would not lose anything. But if he sells the computer system at 5% gain and the colour printer at 15% loss, he would lose Rs 800 in the bargain. How much did he pay for the colour printer?  
 (a) Rs. 8000 (b) Rs 16000  
 (c) Rs. 9000 (d) Rs. 5334
71. If 15 men or 24 women or 36 boys can do a piece of work in 12 days, working 8h a day, how many men must be associated with 12 women and 6 boys to do another piece of work 2.25 times in 30 days working 6 h in a day?  
 (a) 9 (b) 7  
 (c) 5 (d) 8

**Directions (72-76) :** The Pie chart given here represents the domestic expenditure of a family in per cent. Study the chart and answer the following questions if the total monthly income of the family is Rs. 33,650.



- A : Expenditure on food**  
**B : Expenditure on house-rent**  
**C : Expenditure on entertainment**  
**D : Expenditure on education and maintenance of children**  
**E : Deductions and miscellaneous expenditure**  
**F : Deductions towards provident fund**

72. The house rent per month is :  
 (a) Rs. 6000 (b) Rs. 6152  
 (c) Rs. 6057 (d) Rs. 6048
73. The annual savings in the form of provident fund would be  
 (a) Rs. 48,456 (b) Rs. 48,540  
 (c) Rs. 44,856 (d) Rs. 45,480

74. After provident fund deductions and payment of house rent, the total monthly income of the family remains  
 (a) Rs. 23,545 (b) Rs. 24,435  
 (c) Rs. 23,555 (d) Rs. 25,355
75. The total amount per month, the family spends on food and entertainment combined together, is :  
 (a) Rs. 11,432 (b) Rs. 11,441  
 (c) Rs. 12,315 (d) Rs. 12,443
76. Had there been no children in the family what would have been the total savings of the family including that provident fund?  
 (a) Rs. 12,667.50 (b) Rs. 12,625.50  
 (c) Rs. 11,727.50 (d) Rs. 11,777.50
77. The sum of all the natural numbers from 51 to 100 is  
 (a) 5050 (b) 4275  
 (c) 4025 (d) 3775
78.  $\frac{3^0 + 3^{-1}}{3^{-1} - 3^0}$  is simplified to  
 (a) -2 (b) -1  
 (c) 1 (d) 2
79.  $\frac{\sqrt{5}}{\sqrt{3} + \sqrt{2}} - \frac{3\sqrt{3}}{\sqrt{5} + \sqrt{2}} + \frac{2\sqrt{2}}{\sqrt{5} + \sqrt{3}}$  is simplified to  
 (a) 0 (b)  $\sqrt{5}$   
 (c)  $\sqrt{3}$  (d)  $\sqrt{2}$
80. The sides of a triangle are in the ratio 3 : 4 : 5. The measure of the largest angle of the triangle is  
 (a) 60° (b) 90°  
 (c) 120° (d) 150°
81. The value of  $\sqrt{32} - \sqrt{128} + \sqrt{50}$  correct to 3 places of decimals is :  
 (a) 1.732 (b) 1.141  
 (c) 1.414 (d) 1.441
82. The square root of  $(7 + 3\sqrt{5})(7 - 3\sqrt{5})$  is :  
 (a) 4 (b)  $\sqrt{5}$   
 (c)  $3\sqrt{5}$  (d) 2
83. The digit in unit's place of the product  $(2153)^{167}$  is :  
 (a) 1 (b) 3  
 (c) 7 (d) 9
84.  $\frac{\frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} + \frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4} - 3 \cdot \frac{1}{3} \cdot \frac{1}{4} \cdot \frac{1}{5} + \frac{1}{5} \cdot \frac{1}{5} \cdot \frac{1}{5}}{\frac{1}{3} \cdot \frac{1}{3} + \frac{1}{4} \cdot \frac{1}{4} + \frac{1}{5} \cdot \frac{1}{5} - \left( \frac{1}{3} \cdot \frac{1}{4} + \frac{1}{4} \cdot \frac{1}{5} + \frac{1}{5} \cdot \frac{1}{3} \right)}$  is equal to :  
 (a)  $\frac{2}{3}$  (b)  $\frac{3}{4}$   
 (c)  $\frac{47}{60}$  (d)  $\frac{49}{60}$
85. The price of an article was increased by r%. Later the new price was decreased by r%. If the latest price was Re.1, then the original price was :  
 (a) Re. 1 (b) Rs.  $\frac{1-r^2}{100}$   
 (c) Rs.  $\frac{\sqrt{1-r^2}}{100}$  (d) Rs.  $\left( \frac{10000}{10000-r^2} \right)$
86. If D and E are the midpoints of the sides AB and AC respectively of the  $\Delta ABC$  in the figure given here, the shaded region of the triangle is what per cent of the whole triangular region?
- 
- (a) 50% (b) 25%  
 (c) 75% (d) 60%
87. The salary of a person was reduced by 10%. By what percent should his reduced salary be raised so as to bring it at par with his original salary?  
 (a) 9% (b)  $11\frac{1}{9}\%$   
 (c)  $9\frac{1}{11}\%$  (d) 11%
88. If the ratio of areas of two squares is 225 : 256, then the ratio of their perimeters is :  
 (a) 225 : 256 (b) 256 : 225  
 (c) 15 : 16 (d) 16 : 15
89. The ratio of land to water on the whole of the earth is 1 : 2, and it is 2 : 3 on the northern hemisphere. The ratio of land to water on the southern hemisphere is :  
 (a) 11 : 4 (b) 4 : 11  
 (c) 15 : 4 (d) 4 : 15
90. If 30% of A = 0.25 of B =  $\frac{1}{5}$  of C, then A : B : C is equal to :  
 (a) 5 : 6 : 4 (b) 5 : 24 : 5  
 (c) 6 : 5 : 4 (d) 10 : 12 : 15
91. A pilot files an aircraft at a certain speed for a distance of 800 km. He could have saved 40 min by increasing the average speed of the plane by 40 km/h. Find the average speed of the aircraft.  
 (a) 200 km/h (b) 300 km/h  
 (c) 240 km/h (d) None of these
92. A motor boat whose speed is 15 km/h in still water goes 30 km downstream and comes back in four and a half hours. The speed of the stream is:  
 (a) 45 km/h (b) 6 km/h  
 (c) 7 km/h (d) 5 km/h

93. A boy, after giving away 80% of his pocket money to one companion and 6% of the remainder to another, has 47 paise left with him. How much pocket money did the boy have in the beginning?  
 (a) Rs.2 (b) Rs.2.50  
 (c) Rs.5 (d) Rs.10
94. There is a rectangular tank of length 180m and breadth 120 m in a circular field. If the area of the land portion of the field is 40000 m<sup>2</sup>, what is the radius of the field? (Take  $\pi = \frac{22}{7}$ )  
 (a) 130 m (b) 135 m  
 (c) 140 m (d) 145 m
95. If the compound interest on a sum for 2 years at  $12\frac{1}{2}\%$  per annum is Rs. 510, the simple interest on the same sum at the same rate for the same period of time is :  
 (a) Rs. 400 (b) Rs. 480  
 (c) Rs. 450 (d) Rs. 460
96.  $\frac{5\frac{9}{14}}{5+\frac{1}{3+\frac{1}{\frac{3}{5}}}}$  is equal to  
 (a) 1 (b) 1.5  
 (c) 2 (d) 2.5
97. If the students of a class can be grouped exactly into 6 or 8 or 10, then the minimum number of students in the class must be  
 (a) 60 (b) 120  
 (c) 180 (d) 240
98. If  $(a^2 - b^2) \sin\theta + 2ab \cos\theta = a^2 + b^2$ , then the value of  $\tan\theta$  is  
 (a)  $\frac{1}{2ab} (a^2+b^2)$  (b)  $\frac{1}{2} (a^2-b^2)$   
 (c)  $\frac{1}{2ab} (a^2-b^2)$  (d)  $\frac{1}{2} (a^2+b^2)$
99. If A and B are complementary angles, then the value of  $\sin A \cos B + \cos A \sin B - \tan A \tan B + \sec^2 A - \cot^2 B$  is:  
 (a) 2 (b) 0  
 (c) 1 (d) -1
100. If  $\tan 2\theta \cdot \tan 4\theta = 1$ , then the value of  $\tan 3\theta$  is  
 (a)  $\sqrt{3}$  (b) 0  
 (c) 1 (d)  $1/\sqrt{3}$

### GENERAL AWARENESS

101. An economy is at the take off stage on its path to development when it  
 a) Becomes stagnant (b) Begins steady growth  
 c) Is liberalized (d) Gets maximum foreign aid
102. Which of the following is the basic characteristic of Oligopoly?  
 a) A few sellers, one buyer (b) A few sellers, many buyers  
 c) A few sellers, a few buyers (d) Many sellers, a few buyers
103. Which of the following plans aimed at improving the standard of living?  
 a) Third Plan (b) Fourth Plan  
 c) Fifth Plan (d) Sixth Plan
104. At which of the following places was the mining of coal started in 1774?  
 a) Chhindwara (b) Dhanbad  
 c) Ranchi (d) Raniganj
105. When, for the first time, did the Prime Minister of India announce the 20-point Economic Programme?  
 a) 1973 (b) 1974  
 c) 1975 (d) 1976
106. Which Indian state has the largest number of cotton textile mills?  
 a) Madhya Pradesh (b) Maharashtra  
 c) Gujarat (d) West Bengal
107. Which one of the following statements is correct? The Chief Election Commissioner can be removed from office before expiry of his term:-  
 a) In like manner and like ground as a member of the Union Public Service Commission  
 b) In like manner and like ground as a Judge of the Supreme Court  
 c) On the recommendations of the Supreme Court  
 d) On the recommendations of the Cabinet
108. Which one of the following set of criteria was employed by the Second Backward Class Commission, popularly known as the Mandal Commission, to determine socially and educationally backward classes in India?  
 a) Social, economic, political and educational  
 b) Social, economic and educational  
 c) Social and economic  
 d) Social, economic and cultural
109. Rousseau was an advocate of  
 a) Individual sovereignty (b) Popular sovereignty  
 c) Political sovereignty (d) Legal sovereignty
110. Which one of the following thoughts lays stress on rights of recognition and belonging?  
 a) Neo-liberalism (b) Conservatism  
 c) Communitarianism (d) Democratic socialism
111. Which one of the following principles is denoted by the Dicey's rule of law?  
 a) Equality before law and rule by law  
 b) Rule by law and law alone and due process of law  
 c) Equality before law and administrative law.  
 d) Rule by law; equality before law and due process of law
112. Number of Indian Prime Ministers have died while in office?  
 a) 1 (b) 2  
 c) 3 (d) 4
113. Name the schedule to the Constitution of India carries the form of oath or affirmation for the Prime Minister of India?







- a) Of introduction                      b) Of introducing  
c) To introducing                        d) No Improvement

**Directions (191-195):** In the following questions, you have four brief passages with 5 questions following each passage. Read the passages carefully and choose the best answer to each question out of the four alternatives.

Galileo Galilei was born in the year 1564. He was born in the town of Pisa, in what is now Italy. When he was 20 years old, he was studying in Pisa. His father wanted him to be a doctor. Galileo was bored with school. The only subject he really liked was math.

Because he was doing well in math, the court mathematician offered to tutor him privately. He said he could become a qualified mathematician. Galileo's father was disappointed, but he agreed. Because he needed to earn money, Galileo began experimenting with different things. He tried to come up with an invention he could sell for money. He had some success with one invention. It was like a compass that could be used to measure land.

He experimented with pendulums, thermometers, and magnets. He heard that a Dutch inventor had invented something called a spyglass. The inventor was trying to keep it a secret. Galileo decided to work on one of his own. Within 24 hours, he had invented a telescope. It could magnify things to make them appear ten times larger than real life. One night, he pointed his telescope toward the sky. He made his first of many space observations. Everyone thought the moon was smooth. Galileo saw that it wasn't. The moon was covered in bumps and craters.

As technology has improved, Galileo and many others have made improvements on the telescope. Today, the telescope is a wonderful device that lets us see objects far, far away.

191. Galileo's father was disappointed when he became a mathematician. What did he want him to be instead?  
a) A writer                                      b) An astronaut  
c) A Doctor                                     d) An artist
192. Why did Galileo become an inventor?  
a) He was intelligent                      b) He was interested  
c) He wanted to make a name  
d) He wanted money
193. Where did Galileo get the idea for his telescope?  
a) from an inventor who made a spyglass  
b) from an inventor who made a microscope  
c) from an inventor who made an electroscope  
d) from an inventor who made a pendulum
194. What did Galileo discover about the moon?  
a) It was smooth, but had bumps and craters  
b) It was not smooth, but had bumps and craters.  
c) It was not smooth, but did not have bumps and craters  
d) It was smooth, but had bumps and no craters
195. Telescope is a wonderful device that lets us see objects  
a) Near by                                      b) Very microscopic  
c) Far, far away                                d) Other universe

**Directions (196-200):** In the following questions, you have four brief passages with 5 questions following each passage. Read the passages carefully and choose the best answer to each question out of the four alternatives.

People are very social animals. We need to talk with and do things with other people. We often understand ourselves better when we discuss our opinions, emotions and activities with other people. We need to make meaningful connections with friends and family. These connections help us put aside our frustrations and worries. We can focus on things that are important: the people we care about.

Your local community is the area near your home. It's where you work, play and go to school. It is the neighbourhood where your family makes connections with other people. It's the places you feel like you belong.

Communities grow and change over time. Families move from one city to another because of work or family situations. Older adults often move to smaller homes or vacation areas after their children have grown up. Their children move out to start families of their own. New families move in when others leave.

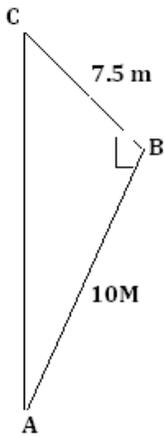
Basic services, such as police, fire, post office, health and public schools are in almost every community. Businesses provide services to the community, too. Stores sell things that people need. Restaurants sell prepared food. Offices provide a variety of skilled work.

The local city government is usually an elected mayor and city council. It is their job to listen to the people of the community and help them connect. Some individuals may move on, but the community remains.

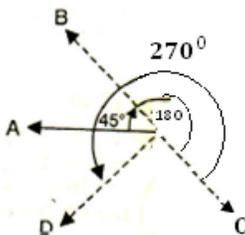
196. What is a local community?  
a) Area near your school                      b) Area near grocery store  
c) Area near local train                        d) Area near your home
197. Which of the following is not a public service that a community offers to the people who live there?  
a) Police                                         b) Movie hall  
c) Post office                                     d) Hospitals
198. What is a feature of a community?  
a) Communities are permanent  
b) Communities change over time  
c) Communities serve only few families  
d) Communities cannot fulfil basic services of the local
199. Who runs a local community?  
a) Municipality                                 b) State Government  
c) Municipal corporation                      d) Local City Government
200. How does connections with people help us?  
a) They help us understand the world  
b) They help us learn things  
c) They help us put aside our frustrations and worries.  
d) They help us live happily



29. (c): Clearly, the correct alphabetical order of the given words is : Epigene, Epilogue, Episode, Epitaxy, Epitome Thus, the correct sequence is 3,5,2,1,4.
30. (d) Clearly, number of boys towards the left of Gene =  $(40 - 14) = 26$ .  
So, Gene is 27<sup>th</sup> from the left end
31. (b) Clearly, A is 13<sup>th</sup> from the left and 11<sup>th</sup> from the right end of the row  
So, number of boys in the row =  $(12 + 1 + 10) = 23$   
Now, D is 17<sup>th</sup> from the right  
Number of boys to the left of D =  $(23 - 17) = 6$   
Hence, D is 7<sup>th</sup> from the left end of the row
32. (d): Clearly, total number of boys in both the rows = (Number of boys in Jeevan's row) + (Number of boys in Vikas' row)  
 $= (6 + 1 + 10) + (9 + 1 + 11) = (17 + 21) = 38$ .
33. (c): Using the correct symbols, we have:  
Given expression:  $= 12 \div 6 - 3 \times 2 + 8 = 2 - 6 + 8 = 10 - 6 = 4$ .
34. (d): Since one of the numbers on the dial of a telephone is zero, so the product of all the numbers on it is 0.
35. (b): Clearly, every member except one (i.e. the winner) must lose one game to decide the winner. Thus, minimum number of matches to be played =  $30 - 1 = 29$ .
36. (a): Clearly, the narrator starts from A, moves towards north-east a distance of 10m upto B, turns left (90° anti-clockwise) and moves 7.5 m upto C.  
Clearly, C lies to the north of A.



37. (d) Clearly, the man initially faces in the direction OA. On moving 45° clockwise, he faces in the direction OB. On further moving 180° clockwise, he faces in the direction OC. Finally, on moving 270° anti-clockwise, he faces in the direction OD, which is South-west.

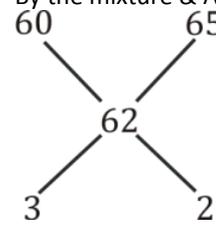


38. (c). Clearly, moving clockwise, we observe the following pattern  $4 \times 1 = 4$ ;  $4 \times 2 = 8$ ;  $8 \times 3 = 24$ ;  $24 \times 4 = 96$ ;  $96 \times 5 = 480$ .  
So required number =  $(480 \times 6) = 2880$ .
39. (c). Clearly, we have:  $\frac{13+19}{8} = 4$ ;  $\frac{71+9}{8} = 10$   
So, missing number =  $\frac{128+32}{8} = 20$ .
40. (b) We have:  $(56 + 15) - (22 + 8) = 41$ ,  $(46 + 9) - (10 + 6) = 39$ .  
So, missing number =  $(34 + 11) - (14 + 6) = 25$ .
41. (c): **Z = 26** implies that the letters have been numbered as per their position in the English alphabet.  
Thus, A = 1, B = 2, ..., Z = 26.  
Clearly, NET = N + E + T =  $14 + 5 + 20 = 39$   
**NUT** = N + U + T =  $14 + 21 + 20 = 55$
42. (c): Clearly, the letters have been assigned numerical value as shown below:  
Z Y W V U T S R Q P O N M L K J I H G F E D C B A So,  
CONSEQUENCE = C + O + N + S + E + Q + U + E + N + C + E =  $24 + 12 + 13 + 8 + 22 + 10 + 6 + 22 + 13 + 24 + 22 = 176$ .
43. d; From figure and position.
44. a
45. a
46. b
47. c
48. b
49. d
50. b

51. (a) Given that 110% gain  $\Rightarrow$  68.20

$$\text{So } 100\% = \frac{68.20}{110} \times 100 = 62 \text{ Rs}$$

By the mixture & Allegation rule.



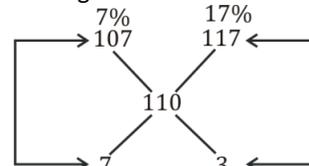
So, ratio is = 3 : 2

52. (d) By mixture & Allegation –

Suppose whole sugar sell out on 7% = 107

Suppose whole sugar sell out on 17% = 117

total gain = 10% = 110



so, 7% sell out the amount 7 : 3 = 10

10 ratio = 100 kg,

1 ratio = 10 kg.

so, 7%  $\rightarrow$   $7 \times 10 = 70$  kg

53. (c) Let the original price per kg. be  $\rightarrow$  100 Rs  
 Reduced price = 90 Rs  
 $\therefore$  Amount to be bought =  $\frac{4900}{98} = 50$  kg
54. (b) Batsman scored by running =  $110 - [3 \times 4 + 8 \times 6]$   
 $= 50$   
 $\therefore$  Req. Percentage =  $\frac{50}{110} \times 100 = 45\frac{5}{11}\%$
55. (d) successive percentage of 20% =  $\left[20 + 20 + \frac{20 \times 20}{100}\right] = 44\%$   
 successive of 20% & 44% =  $\left[44 + 20 + \frac{44 \times 20}{100}\right] = 72.8\%$   
 because volume proportional to radius<sup>3</sup>
56. (c) In Examination. Student failed in Hindi = 52%  
 student failed in English = 42%  
 failed in both subject = 17%  
 so, total student failed =  $52 + 42 - 17 = 77\%$   
 So, total passed =  $100 - 77\% = 23\%$
57. (a) A no. is divisible by 9, if sum of its digit is divisible by 9.  
 Here,  $6 + 7 + 0 + 9 = 22$   
 Now,  $22 + 5 = 27$ , Which is divisible 9, Hence 5 must be added to 6709.
58. (c)  $\frac{a^3 + b^3}{a^2 - ab + b^3} = \frac{(a+b)(a^2 - ab + b^2)}{(a^2 - ab + b^2)} =$   
 $(a + b) = 10.3 + 1 = 11.3$
59. (d)  $122 - 2 = 120$   
 $243 - 3 = 240$   
 $\therefore$  so, HCF of 120 & 240 is  
 $= 120$
60. (c)  $\frac{1.49 \times 14.9 - 0.51 \times 5.1}{14.9 - 5.1}$   
 $1.49 + 0.51 = 2$
61. (b)  $(0.04)^{-1.5} = (0.04)^{-3/2}$   
 $= \frac{1}{(0.04)^{3/2}}$   
 $= 125$
62. (b) LCM of 3, 4, 5, 6, 7 & 8 = 840  
 840 divided to the 10000, then remainder is 760.  
 the nearest number =  $1000 + (840 - 760)$
63. (c) given that  $1 + 2 + 3 + 4 + \dots + 10 = 55$   
 &  $6 + 12 + 18 + \dots + 60 = 6(1 + 2 + 3 + \dots + 10) = 6 \times 55 = 330$
64. (b) 3 year ago, the average age =  $5 \times 17 = 85$  year.  
 present age =  $85 + 15 = 100$  year  
 but the average age of family is =  $17 \times 6 = 102$   
 because the no of member in the family = 6, but average is same  
 so, the age of baby = 2 year
65. (a) the runs of cricket player =  $10 \times 32 = 320$   
 Next inning increase =  $36 \times 11 = 396$   
 So, runs = 76
66. (c) sum of 8 No. =  $20 \times 8 = 160$   
 Sum of first two no. =  $\frac{31}{2} \times 2 = 31$   
 Sum of next three no. =  $\frac{64}{3} \times 3 = 64$   
 Sum of remaining =  $160 - (31 + 64) = 65$   
 Let 6<sup>th</sup> no. = x  
 7<sup>th</sup> no. = x + 4,  
 $\therefore$  8<sup>th</sup> no. = x + 7  
 $\Rightarrow x + x + 4 + x + 7 = 65$   
 $3x + 11 = 65$   
 $3x = 54 \Rightarrow x = 18$   
 Eighth no. =  $18 + 7 = 25$
67. (a) Average no. of scooters produced per year (in thousands)  
 $= (115 + 108 + 149 + 102 + 101)/5$   
 $= \frac{575}{5} = 115$ , and it in year 1985.
68. (c) a having 20 thousands scooter in 1988.  
 & having 15 thousands scooter in 1989.  
 Clearly, a decrease of 25% and R also having same decrement
69. (b) Required ratio =  $\frac{20}{40} = 1 : 2$
70. (b)
71. (d)
72. (c) House rent per month = 18% of Rs. 33650 = 6057 Rs
73. (a) Annual provident fund saving = 12% of  $(33650 \times 12)$   
 $= \frac{12 \times 33650 \times 12}{100}$   
 $= 48456$  Rs
74. (c) Remaining monthly income  
 $= [100 - (12 + 18)\%]$  of Rs 33650  
 $= \frac{70 \times 33650}{100}$   
 $= 23555$  Rs
75. (b) Amount spent on food and entertained together.  
 $= 34\%$  of Rs. 33650  
 $= 11441$  Rs
76. (d) Ex. On children = 23%  
 Provident fund saving = 12%  
 For no. children, total savings = 35%  
 $\Rightarrow 35\%$  of 33650  
 $= 11777.50$  Rs

77. (d) sum of natural no. =  $(1 + 2 + \dots + 99 + 100) - (1 + 2 + \dots + 50)$

$$= \frac{100 \times 101}{2} - \frac{50 \times 51}{2} = 5050 - 1275 = 3775$$

78. (a)  $\frac{1 + \frac{1}{3}}{\frac{1}{3} - 1} = \frac{\frac{3+1}{3}}{\frac{1-3}{3}} = \frac{4}{-2} = -2$

79. (a)  $\frac{\sqrt{5}}{\sqrt{3} + \sqrt{2}}$  after rationalize,  $= \sqrt{15} - \sqrt{10}$

And  $\frac{2\sqrt{2}}{\sqrt{5} + \sqrt{3}} = \sqrt{10} - \sqrt{6}$

And  $\frac{3\sqrt{3}}{\sqrt{5} + \sqrt{2}} = \sqrt{15} - \sqrt{6}$

$$\Rightarrow (\sqrt{15} - \sqrt{10}) - (\sqrt{15} - \sqrt{6}) + (\sqrt{10} - \sqrt{6}) = 0$$

80. (b) side of a triangle = 3 : 4 : 5

$$3^2 + 4^2 = 5^2, \text{ we know that}$$

Triangle is right angle. So, largest angle is  $90^\circ$

81. (c)  $4\sqrt{2} - 8\sqrt{2} + 5\sqrt{2}$   
 $= \sqrt{2}(4 - 8 + 5) = \sqrt{2} = 1.414$

82. (d)  $(7 + 3\sqrt{5})(7 - 3\sqrt{5}) = [7^2 - (3\sqrt{5})^2]$

$$= 49 - 45 = 4$$

& square root of 4 = 2

83. (c)  $\frac{\text{Power} > 167}{4}$ , remainder = 3

$$3^3 \rightarrow 7$$

84. (c)  $\frac{a^3 + b^3 + c^3 - 3abc}{a^2 + b^2 + c^2 - ab - bc - ac} = \frac{(a+b+c)(a^2 + b^2 + c^2 - ab - bc - ac)}{(a^2 + b^2 + c^2 - ab - bc - ac)}$

$$= (a + b + c) = \frac{1}{3} + \frac{1}{4} + \frac{1}{5} = \frac{47}{60}$$

85. (d) let the initial value be A. When it is increased by r %, it becomes :

$$A + r\% \text{ of } A = \frac{A(r+100)}{100}$$

Now, when it is decreased by r%, it becomes

$$1 = \frac{A(r+100)}{100} - r\% \text{ of } \frac{A(r+100)}{100}$$

$$1 = \frac{A(r+100)}{100} \cdot \left(1 - \frac{r}{100}\right)$$

$$1 = \frac{A(r+100)(100-r)}{10000}$$

$$A = \frac{10000}{(10000 - r^2)} \text{ Rs}$$

86. (c)  $DE = \frac{1}{2} BC$ ,

Triangles are similar so,  $\angle D = \angle B$  and  $\angle E = \angle C$ .

$$\frac{\Delta ADE}{\Delta ABC} = \frac{DE^2}{BC^2} = \frac{1}{4}$$

Area of trapezium DBCE =  $\Delta ABC - \Delta ADE$

$$= 4\Delta ADE - \Delta ADE$$

$$= 3 \cdot \Delta ADE$$

Req. percentage =  $\frac{3}{4} \times 100 = 75\%$

87. (b) Req. percentage increase =  $\left(\frac{r}{100-r}\right) 100\%$

$$= \frac{10}{(100-10)} \times 100 = 11\frac{1}{9}\%$$

88. (c) ratio of area =  $\frac{225}{256}$

$$\text{side}^2 = \text{area} \Rightarrow \text{side} = \frac{15}{16}$$

$$\text{perimeter ratio} = \frac{4 \times 15}{4 \times 16} = \frac{15}{16}$$

89. (b) part of the land on the whole earth =  $\frac{1}{1+2} = \frac{1}{3}$

part of the land in the northern hemisphere =  $\frac{2}{2+3} = \frac{2}{5}$

let there be x part land in the southern hemisphere,

$$\frac{\frac{2}{5} + x}{2} = \frac{1}{3}$$

$$\therefore x = \frac{4}{15}$$

so, water =  $\frac{11}{15}$ , and req. ratio =  $\frac{4}{11}$

90. (d)  $\frac{30}{100} \cdot A = \frac{0.25}{100} \cdot B$

$$\frac{A}{B} = \frac{5}{6}$$

$$\& \frac{B}{C} = \frac{4}{5}$$

$$\Rightarrow A : B : C$$

$$5 : 6$$

$$4 : 5$$

$$\Rightarrow 20 : 24 : 30 \Rightarrow 10 : 12 : 15$$

91. (a)

92. (d)

93. (b) let the boy had Rs. x

Money given to first companion = 80% of  $x = \frac{4x}{5}$

Remaining money =  $x - \frac{4x}{5} = \frac{x}{5}$

94. (c) Area of tank =  $180 \times 120 = 21600\text{m}^2$

Total Area of circular plot =  $40000 + 21600 = 61600\text{m}^2$

$\pi r^2 = 61600$

$r^2 = \frac{61600}{22} \times 7$

$r = 140\text{m}$

95. (b)  $CI = P \left[ \left( 1 + \frac{R}{100} \right)^T - 1 \right]$

$510 = P \cdot \left[ \left( 1 + \frac{25}{200} \right)^2 - 1 \right]$

$P = 1920$

$SI = \frac{1920 \times 2 \times 25}{100 \times 2}$

$= 480\text{Rs}$

$\frac{79}{14}$

96. (a)  $\frac{14}{79} = 1$

97. (b) Req. No. of students

= LCM of 6, 8, 10

= 120

98. (c)  $(a^2 - b^2) \sin\theta + 2ab\cos\theta = a^2 + b^2$

Dividing by  $\cos\theta$ ,

$(a^2 - b^2) \tan\theta + 2ab = (a^2 + b^2) \sec\theta$

On squaring,

$(a^2 - b^2)^2 \tan^2\theta + 4a^2b^2 + 4ab(a^2 - b^2) \tan\theta = (a^2 + b^2)^2 \sec^2\theta$

$(a^2 + b^2)^2 \tan^2\theta - (a^2 - b^2)^2 \tan^2\theta + [(a^2 + b^2)^2 - 4a^2b^2] - 4ab(a^2 - b^2) \tan\theta = 0$

$(a^2 - b^2) - 2ab \tan\theta)^2 = 0$

$\tan\theta = \frac{1}{2ab} (a^2 - b^2)$

99. (c)  $A + B = 90$

$A = 90 - B$

Similarly,

$\cos A = \sin B$ ,  $\tan A = \cot B$

$\sin A \cos B + \cos A \sin B - \tan A \tan B + \sec^2 A - \cot^2 B$

$\cos^2 B + \sin^2 B - \cot B \tan B + \sec^2 A - \tan^2 A = 1 - 1 + 1 = 1$

100. (c)  $\tan 2\theta = 1/\tan 4\theta = \cot 4\theta$

$\tan 2\theta = \tan (90 - 4\theta)$

$2\theta = 90 - 4\theta$

$6\theta = 90$

$\theta = 15$

$\tan 3\theta = \tan 45 = 1$

151. B (it mean's create a poor or false impression)

152. A (it means to check entirely)

153. D (it means at close situation)

154. C (A bribe paid to someone to insure that something is kept secret)

155. C (the choice of taking what is offered or nothing at all)

156. A (subject an aircraft to air piracy)

157. C (Strange in an interesting or pleasing way)

158. C (Being essentially equal to something)

159. A (its other antonyms- humane, kind hearted, kindly, merciful)

160. C (its other antonyms- cordial, genial, good-natured)

161. D (its other antonyms- lifelong; continuing, durable, persistent)

162. C                      163. B                      164. A                      165. D

166. A                      167. C                      168. D                      169. A

170. D                      171. B                      172. C                      173. B

174. C                      175. C

176. C (replace 'done' with 'made')

177. B (replace 'was' with 'were'; as it is an imaginary reference)

178. A (replace 'saw' with 'seen')

179. B (replace 'fortunater' with 'more fortunate')

180. A (replace 'dependent' with 'dependence')

181. A                      182. C                      183. C                      184. A

185. B                      186. A                      187. D                      188. B

189. B                      190. A

191. C (Last line of first paragraph)

192. D (third line of second paragraph)

193. A (second line third paragraph)

194. B (last line of third paragraph)

195. C (last line of last paragraph)

196. D (second para first line)

197. B (fourth para first line)

198. B (whole passage has to be taken as reference)

199. D (last para first line)

200. C (first paragraph)

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# SBI PO 2016 – PRELIMS : PRACTICE SET

## REASONING ABILITY

**Directions (1-5)** Each question consist of two or three statements followed by two conclusions numbered I and II. Consider the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements using all statements together.

Mark your answer as,

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or conclusion II follows
- (d) If neither conclusion I nor conclusion II follows
- (e) If both conclusion I and conclusion II follow

**(1-2) Statements:** All roses are flowers

Some trees are roses

Some flower are seeds

1. **Conclusion :** I. All trees being seeds is a possibility  
II. Some roses are definitely not seeds.

2. **Conclusion :**

I. Some flowers which are trees are also a part of seeds.

II. All seeds if they are trees then they must be a part of roses.

**(3-4) Statements:** Some blues are greens

Some reds are blues All greens are whites

3. **Conclusion :** I. Some reds are neither blues nor whites is a possibility

II. All greens are reds is a possibility

4. **Conclusion :** I. Some whites are not reds

II. Some reds which are white are blue.

5. **Statements:** All rocks are mountains

No stone is mountain All stones are cements

**Conclusion :** I. Some mountains which are cements are also rocks.

II. No cement is rock

**Directions (6-10):** Study the following information carefully and answer the questions given below:

Ten persons are sitting in two parallel rows containing five person each, in such a way that there is an equal distance between adjacent persons. In first row Nandita, Abhishek, Sushant, Shalini and Nidhi are seated and all of them are facing South. In second row, Kriti, Apurva, Manish, Rohit and Rahul are seated and all of them are facing North. Therefore in the given seating arrangement, each member seated in a row faces another member of the other row.

Rohit sits third to the left of Kriti. Nandita faces immediate neighbour of Rohit. Sushant sits second to the right of Nandita. Only one person sits between Abhishek and Shalini. Apurva and Rahul are immediate neighbours. Rahul does not face Nandita and Abhishek.

6. How many persons are seated between Abhishek and Nidhi?
  - a) None
  - b) One
  - c) Two
  - d) Three
  - e) Cannot be determined
7. Who amongst the following faces Shalini?
  - a) Kriti
  - b) Apurva
  - c) Manish
  - d) Rohit
  - e) Rahul
8. Which of the following is true regarding Apurva?
  - a) Kriti and Manish are immediate neighbours of Apurva
  - b) Apurva sits at one of the extreme ends of the line.
  - c) Nidhi is an immediate neighbour of the person facing Apurva.
  - d) Rohit sits on the immediate left of Apurva
  - e) None of these
9. Who amongst the following are sitting exactly in the middle of the rows?
  - a) Nandita, Rahul
  - b) Shalini, Rohit
  - c) Shalini, Kriti
  - d) Kriti, Sushant
  - e) Nandita, Apurva
10. Four of the following five are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
  - a) Sushant
  - b) Shalini
  - c) Manish
  - d) Nidhi
  - e) Kriti

**Direction (11–15):** In each of the following questions, assuming the given statements to be true, find which of the following options holds true:

**Give answer—**

- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either conclusion I or conclusion II is true.
- (d) if neither conclusion I nor conclusion II is true
- (e) if both conclusions I and II are true.

11. **Statements:**  $V > R = Q, P > Q, R \leq S$

**Conclusions:** I.  $Q < S$       II.  $Q = S$

12. **Statements:**  $Z < Y < W = M = K \leq S$

**Conclusions:** I.  $S > Y$       II.  $Z = S$

13. **Statements:**  $P > R < N, P = M \leq S$

**Conclusions:** I.  $S > R$       II.  $N > M$

14. **Statements:**  $K = M \geq L < S = T \leq R$

**Conclusions:** I.  $M = T$       II.  $R > L$

15. **Statements:**  $J = M \geq P, N > R, J > S$

**Conclusions:** I.  $S = P$       II.  $J > P$

**Direction (16-20):** Study the following information carefully to answer the following questions:

Five friends name – Ajay, Raju, Shivam, Mannu and Nakul have different professions-Actor, Engineer, Doctor, Bank Manager and Lawyer. Each one wears different colours of ties-Yellow, Black, Grey, Green

and orange though not respectively. Shivam is a lawyer but doesn't wear Black or Orange colored tie. Person wearing green colored tie is neither an Actor nor a Doctor. Ajay and Nakul are not Bank manager and they do not wear Yellow colored tie. Grey colored tie is worn by Mannu, who is neither an Engineer nor a Bank Manager. Bank Manager wears Green colored tie.

16. If the black tie wearer is an engineer, then which of the following is definitely true?  
 a) Orange tie wearer is an actor  
 b) Nakul is not an Engineer  
 c) Ajay wears orange colored tie  
 d) Mannu is a Doctor e) None of these
17. Which of the following may be definitely false?  
 a) Nakul-Engineer-Orange tie b) Ajay-Actor-Black tie  
 c) Mannu-Doctor-Grey tie  
 d) Ajay-Engineer-Green tie e) None of these
18. Who is Bank Manager?  
 a) Ajay b) Raju c) Mannu  
 d) Can't be determined e) None of these
19. Which of the following statement is definitely true?  
 a) Mannu-Actor-Grey b) Ajay-Engineer-Black  
 c) Nakul-doctor-orange  
 d) Raju-Bank Manager-Green e) None of these
20. Which colored tie does Shivam wear?  
 a) Yellow b) Green c) Yellow or Green  
 d) Black e) None of these

**Direction(21-25):** Study the information carefully and answer the questions.

Vinod, Ashish, Mohan, Amit, Sonu, Vikash, Kalu, Tulu are sitting around a circular area at an equal distances between each other, but not necessarily in the same order. Some of the people are facing outside (i.e., in a direction opposite to the centre). Ashish sits to the third left of Tulu. Tulu faces the centre. Vikash sits second to the right of Ashish. Sonu sits second to the left of Amit. Amit is neither an immediate neighbor of Ashish nor Tulu. Both the immediate neighbour of Mohan face outside. Vinod is not an immediate neighbour of Tulu. Immediate neighbours of Vinod face opposite direction to each other. Both the immediate neighbor of Amit face outside. Vinod faces same direction as Ashish (i.e. if Vinod faces the centre then Ashish also faces the centre and vice-versa).

21. How many people in the given arrangement face the centre?  
 (a) Three (b) One (c) Two  
 (d) Four (e) Five
22. Which of the following is true regarding Kalu as per the given seating arrangements:  
 (a) Mohan sits second to left of Kalu.  
 (b) only two people sit between Kalu and Amit.  
 (c) Vinod sits to immediate right of Kalu.  
 (d) Asish is one of the immediate neighbours of Kalu.  
 (e) Kalu faces the centre.
23. What is Vinod's position with respect of Tulu?

- (a) Third to the left (b) Third to the right  
 (c) Fourth to the right (d) Second to the left  
 (e) Fifth to the left

24. Who is sitting to immediate right to Sonu?  
 (a) Tulu (b) Kalu (c) Mohan  
 (d) Vikash (e) Ashish
25. Who amongst the following sits exactly between Vikash and Ashish?  
 (a) Kalu (b) Mohan (c) Sonu  
 (d) Vinod (e) Tulu

**Direction(26-30):** Study the following information to answer the given questions:

In a certain code 'li fo nu' means 'Vettel is champion', 'pil nu dil' means 'Ferrari was champion' and 'li re jit re' means 'Fastest is Fastest Team'.

26. Which of the following is the code for 'was'?  
 (a) pil (b) nu (c) pil or dil  
 (d) cannot be determined (e) None of these
27. 'fo re dil pil' may represent  
 (a) fastest car is Ferrari (b) fastest team is Ferrari  
 (c) Vettel was fastest champion  
 (d) fastest Ferrari was champion  
 (e) Vettel was fastest ferrari
28. 'Ferrari is fastest team', can be coded as:  
 (a) pil re li jit (b) dil re li jit  
 (c) fo re li jit (d) cannot be determined  
 (e) None of these
29. Which one of the following is the code for 'team'?  
 (a) li (b) re (c) jit  
 (d) nu (e) None of these
30. Which of the following is the code of 'fo'?  
 (a) champion (b) Vettel (c) Ferrari  
 (d) fastest (e) None of these

**Directions: (31-32)** Study the following information carefully and answer the questions which follow-

'X # Y' means 'X is mother of Y'

'X @ Y' means 'X is brother of Y'

'X = Y' means 'X is wife of Y'

'X \$ Y' means 'X is father of Y'

'X % Y' means 'X is son of Y'

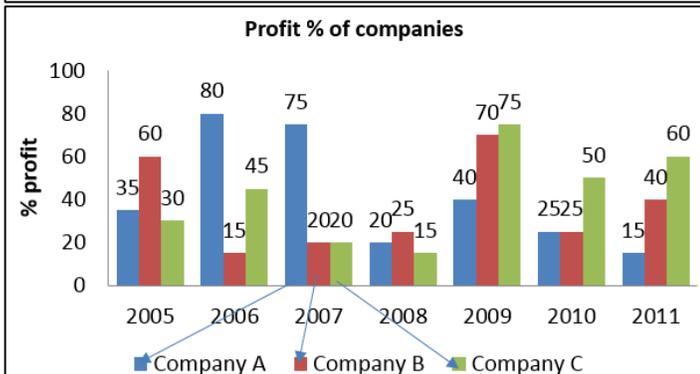
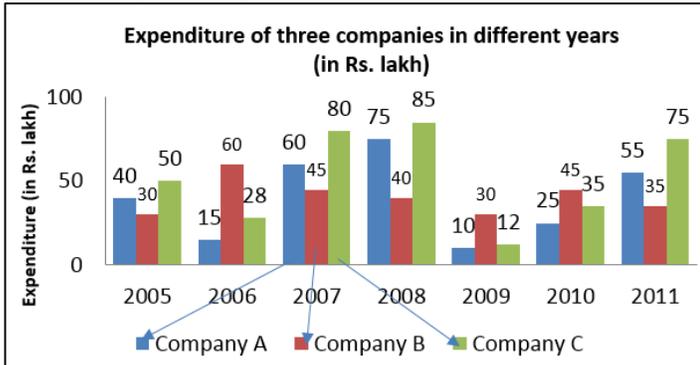
31. If the statement 'T#P%O@C\$I' is true then which of the following relations is false?  
 (a) P is nephew of C (b) C is brother-in-law of T  
 (c) P is cousin of I (d) I is nephew of T  
 (e) More than one of the above
32. If the statement 'B\$T=I%O#N@J' is true then which of the following relation is true?  
 (a) B is father of N (b) I is son-in-law of B  
 (c) B is father-in-law of N (d) O is wife of B  
 (e) J is brother-in-law of T
33. A is older than B and D. C is older than B but younger than E. D is older than E. Who among them is second youngest?

- (a) D (b) A (c) C  
(d) E (e) None of these
34. In a family of 6 members A, B, C, P, Q and R, R, father of B is elder than P. A is younger than only three members of the family. Q, wife of B is elder than C, who is not the youngest. P is second eldest. Who is third eldest among them?  
(a) R (b) Q (c) B  
(d) C (e) Cannot be determined

35. Among 6 persons, Ravi is elder than Mohan but younger than Rohit. Arpit is elder than only 1 person. Sachin is younger than Deepak, who is third eldest among them while Mohan is not the youngest. If they are arranged in descending order of their age then how many persons are between Rohit and Sachin?  
(a) One (b) Two (c) Three  
(d) Four (e) Cannot be determined

**QUANT**

**Directions (36-40) :** Read the following graphs carefully and answer the questions given below:



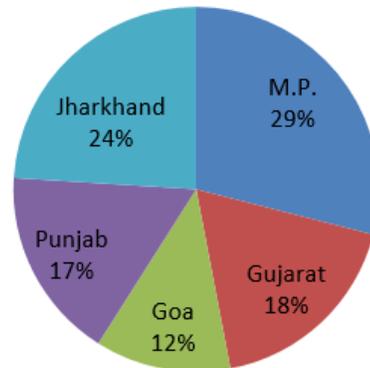
36. In how many years is the income of company A more than Rs 50 lakh?  
(a) 4 (b) 6 (c) 5  
(d) 3 (e) None of these
37. The income of company B in 2009 is approximately what percent less than the income of company C in 2007?  
(a) 42 (b) 53 (c) 58  
(d) 38 (e) 47
38. What is the approximate average income of company C in all the years together? (in Rs lakh)  
(a) 77 (b) 70 (c) 81  
(d) 68 (e) 65
39. What is the respective ratio between the income of company B in 2011 and income of company C in 2009 ?  
(a) 4 : 5 (b) 3 : 5 (c) 2 : 7  
(d) 7 : 3 (e) None of these

40. In which year was the difference between income of company A and C the maximum?  
(a) 2006 (b) 2007 (c) 2011  
(d) 2010 (e) None of these

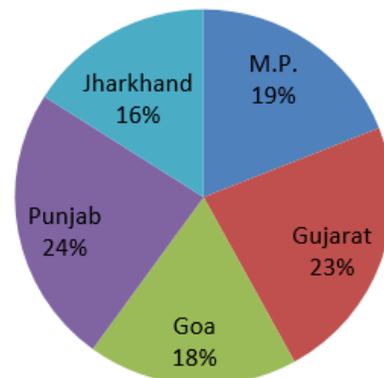
**Directions (41-45) :** Read the following pie-chart carefully and answer the questions given below:

**Total number of teachers is 8700 out of which number of female teachers is 3400**

**Percentage distribution of teachers in five different states  
Total number of teachers = 8700**



**Percentage of only female teachers  
Female teachers = 3400**



41. In which state the difference between male and female teachers is third lowest?  
(a) Goa (b) MP (c) Jharkhand  
(d) M.P. (e) None of these

42. Number of male teachers in MP is approximately what percentage of the total number of teachers (both males and females) in Goa and Punjab together ?

- (a) 69 (b) 89 (c) 85  
(d) 74 (e) 79

43. What is the total number of male teachers in Goa and female teachers in Gujarat together?

- (a) 1224 (b) 1242 (c) 1214  
(d) 1232 (e) None of these

44. What is the difference between the number of male teachers in Punjab and the total number of teachers in Gujarat?

- (a) 903 (b) 923 (c) 915  
(d) 917 (e) None of these

45. What is the respective ratio between the number of female teachers in Punjab and the total number of teachers in Jharkhand

- (a) 34 : 85 (b) 34 : 87 (c) 43 : 87  
(d) 102 : 259 (e) None of these

**Directions (46-50):** In each of the these questions two equations (I) and (II) are given. You have to solve both the equations and give answer

- (a) if  $x > y$  (b) if  $x \geq y$   
(c) if  $x < y$  (d) if  $x \leq y$   
(e) if  $x = y$  or the relationship between  $x$  and  $y$  cannot be established

46. I.  $x^2 + 12x + 36 = 0$  II.  $y^2 + 15y + 56 = 0$

47. I.  $x^2 = 35$  II.  $y^2 + 13y + 42 = 0$

48. I.  $2x^2 - 3x - 35 = 0$  II.  $y^2 - 7y + 6 = 0$

49. I.  $6x^2 - 29x + 35 = 0$  II.  $2y^2 - 19y + 35 = 0$

50. I.  $12x^2 - 47x + 40 = 0$  II.  $4y^2 + 3y - 10 = 0$

**Directions (51-55) :** In each of the following questions a number series is given. After the series a number is given followed by (a), (b), (c), (d) and (e). You have to complete the series starting with the number given following the sequence of the original series and answer the questions that follow the series.

51. 12 30 120 460 1368 2730

- 16 (a) (b) (c) (d) (e)

What will come in place of (d) ?

- (a) 1384 (b) 2642 (c) 2808  
(d) 1988 (e) None of these

52. 154 462 231 693 346.5 1039.5

- 276 (a) (b) (c) (d) (e)

What will come in place of (e) ?

- (a) 1746 (b) 621 (c) 1242  
(d) 983 (e) None of these

53. 7 91 1001 7007 35035 105105

- 14.5 (a) (b) (c) (d) (e)

What will come in place of (c) ?

- (a) 21132.5 (b) 14514.5 (c) 20020.5  
(d) 13864.5 (e) None of these

54. 582 574 601 537 662 446

- 204 (a) (b) (c) (d) (e)

What will come in place of (d)?

- (a) 284 (b) 68 (c) 174  
(d) 331 (e) None of these

55. 85 43 44 67.5 137 345  
125 (a) (b) (c) (d) (e)

What will come in place of (c) ?

- (a) 86 (b) 107.5 (c) 112.5  
(d) 97.5 (e) None of these

56. An amount of money is to be distributed among P, Q and R in the ratio of 6 : 19 : 7 respectively. If R gives Rs 200 of his share to the Q the ratio among P, Q and R becomes 3 : 10 : 3 respectively. What was the total amount?

- (a) Rs 6400 (b) Rs 12800 (c) Rs 3200  
(d) Data inadequate (e) None of these

57. Mr. Ram kumar started a business, investing Rs. 25000 in 2012. In 2013 he invested on additional amount of Rs. 10000 and Mr. Anuj joined him with an amount of Rs. 35000. In 2014, Mr. Ram Kumar invested another additional amount of Rs 10000 and Mr. Sharad joined them with an amount of Rs. 35000. What will be Anuj's share in the profit of Rs 150000 earned at the end of three years from the start of the business in 2012?

- (a) Rs 70000 (b) Rs 50000 (c) Rs 45000  
(d) Rs 75000 (e) None of these

58. Rajesh solved 80 per cent of the questions in an examination correctly. If out of 41 questions solved by Rajesh 37 questions are correct and of the remaining questions out of every 8 questions 5 questions have been solved by Rajesh correctly then find the total number of questions asked in the examination.

- (a) 75 (b) 65 (c) 60  
(d) Can't be determined (e) None of these

59. The average age of A and B is 20 years. If C were to replace A, the average would be 19 and if C were to replace B, the average would be 21. What are the ages of A, B and C?

- (a) 22, 18, 20 (b) 18, 22, 20 (c) 22, 20, 18  
(d) 18, 20, 22 (e) None of these

60. Nitish calculates his profit percentage on the selling price whereas Gaurav calculates his one the cost price. They find that the difference of their profits is Rs 100. If the selling price of both of them are the same and both of them get 25% profit, find their selling price.

- (a) Rs 2000 (b) Rs 2500 (c) Rs 3000  
(d) Rs 5000 (e) None of these

61. Some amount out of Rs 8000 was lent at 7% per annum and the remaining at 5% per annum. If the total simple interest from both the fractions in 6 years was Rs 2600, find the sum lent at 7% per annum.

- (a) Rs  $\frac{2000}{3}$  (b) Rs 1500 (c) Rs  $\frac{5000}{3}$   
(d) Rs  $\frac{4000}{3}$  (e) None of these

62. What sum of money at compound interest will amount to Rs 2249.52 in 3 years, if the rate of interest is 3% for the first year, 4% for the second year and 5% for the third year?  
 (a) Rs 2500 (b) Rs 4000 (c) Rs 2000  
 (d) Rs 5000 (e) None of these
63. A, B and C are three towns on a river which flows uniformly. B is equidistant from A and C. Nikhil can row from A to B and back in 10 hours and he can row from A to C in 4 hours. Compare the speed of Nikhil's boat in still water with that of the river.  
 (a) 5 : 3 (b) 4 : 3 (c) 6 : 5  
 (d) 7 : 3 (e) None of these
64. Two stations A and B are 95 km apart on a straight line. A train starts from A and travels towards B at 35 km/hr. Another train, starting from B 30 minutes earlier, travels towards A at 40 km/hr. When will the first train meet to the second train?  
 (a) 2 hrs (b) 1 hrs (c)  $1\frac{1}{2}$  hrs  
 (d)  $2\frac{1}{2}$  hrs (e) None of these
65. A can do a piece of work in 12 days, B can do the same work in 8 days, and C can do the same job in  $\frac{4}{5}$ th time required by both A and B. A and B work together for 3 days, then C completes the job. How many complete days did C work?  
 (a) 8 (b) 6 (c) 3  
 (d) 5 (e) None of these
- Directions (66-70) :** What approximate value should come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value.)
66.  $(755\% \text{ of } 523) \div 777 = ?$   
 (a) 5 (b) 12 (c) 19  
 (d) 26 (e) 29
67.  $(56)^2 \times 2.5385 = ?$   
 (a) 4740 (b) 5570 (c) 6600  
 (d) 7960 (e) 8880
68.  $(4438 - 2874 - 559) \div (269 - 106 - 83) = ?$   
 (a) 55 (b) 13 (c) 47  
 (d) 29 (e) 31
69.  $(12.51)^4 = ?$   
 (a) 22300 (b) 23400s (c) 24500  
 (d) 25600 (e) 26700
70.  $783.559 + 49.0937 \times 31.679 - 58.591 = ?$   
 (a) 26600 (b) 5000 (c) 12800  
 (d) 2550 (e) 2280

### English Language

**Directions (71-80):** Read the following passage carefully and answer the questions given below it. Certain words are given in bold to help you locate them while answering some of the questions.

Public sector banks are back in focus, not for the **steep** rise in bad loans, but for customer complaints against them. At first glances, the Reserve Bank of India's annual report on the Banking Ombudsman Scheme reveals that customers of PSBs had a litany of grievances, while patrons of private and foreign banks were quite content with the services offered to them. But one reason why PSBs account for about 65 per cent of the complaints is that these banks have a lion's share — about three-fourths — of the loans and deposits in the banking system. If we consider the number of complaints per account or branch, nationalised banks, surprisingly, have fewer complaints than their private and foreign counterparts. Complaints from the rural and semi-urban population have witnessed an increase, implying the wider participation from these segments. But there is a lack of awareness about the ombudsman scheme or lack of access to it in these regions. While they account for about two-thirds of the bank branches in India, less than 30 per cent of the complaints were lodged from here.

Reporting such numbers only scratches the surface of the problem. The ombudsman scheme, which was launched two decades ago to provide a free grievance **redress** system in the face of rising complaints against banks, will now have to use the

data to improve its functioning. Both the Centre and the regulator also need to act on **longstanding** grievances. For years now, debit/credit card operations (21 per cent of complaints) and unfair banking practices (29 per cent) have made up a large **chunk** of the complaints. Customers have had a laundry list of woes regarding failure of withdrawals from ATMs, issue of unsolicited cards and insurance policies, and banks' non-adherence to 'fair practices' or BCSBI (Banking Codes and Standards Board of India) codes. The BCSBI was set up a decade ago to supplement the ombudsman scheme. Hence, the wide non-adherence to these codes on the part of banks is inexcusable. What it highlights is the need for the RBI to follow up more **stringently** on ensuring that banks conform to norms.

Reviewing the scope of the ombudsman scheme and educating customers on the procedures to lodge complaints, will **ensure** that grievances that do find their way into the redressal system get resolved effectively. While the report shows that the scheme disposed 96 per cent of the complaints in 2014-15, rejections were as high as around two-thirds, because the solution to many of the grievances fell outside the jurisdiction of the banking ombudsman. The RBI advisory that banks have an internal redress mechanism to deal with the issue first-hand will work only if the process is streamlined for better results.

71. What could be the best title for the above passage?  
 a. Ombudsman scheme (b) RBI's Policies  
 c. Beyond just numbers (d) Unfair practices  
 e. Major challenge

72. Which of the following is NOT True according to the passage?

- I. Rural population is participating more in banking
- II. Banking ombudsman scheme disposed more than 50 percent of the complaints in 2014-2015
- III. Unfair banking practices lead to large number of complaints

- a. III & I                      b. II & III                      c. I & II
- d. I, II & III                      e. None of the above

73. What would be the best way to resolve complaints effectively?

- I. Debit/credit card operations should be limited
- II. Banks should adhere to fair practices
- III. customers should be educated on the procedures to lodge complaints.

- a. III only                      b. II & III                      c. I & II
- d. I, II & III                      e. None of these

74. Which of the following is TRUE according to the passage?

- a. Banks have internal banking ombudsman
- b. BCSBI was set up by RBI a decade ago
- c. Issuance of unsolicited cards is one of the woes of customers
- d. PSBs account for less than 65 percent of the complaints
- e. None of these

**Directions (75-77):** Choose the word which is most SIMILAR in meaning of the word printed in bold as used in the passage.

75. **Steep**

- a. gentle                      b. continuous                      c. abrupt
- d. low                      e. gradual

76. **Redress**

- a. same                      b. compensation                      c. penalty
- d. hurt                      e. worse

77. **Longstanding**

- a. strong                      b. high                      c. long
- d. firm                      e. abiding

**Directions (78-80):** Choose the word which is most OPPOSITE in meaning of the word printed in bold as used in the passage.

78. **Ensure**

- a. certify                      b. arrange                      c. endanger
- d. guard                      e. sure

79. **Stringent**

- a. inflexible                      b. easy going                      c. compelling
- d. critical                      e. bound

80. **Chunk**

- a. block                      b. portion                      c. large
- d. whole                      e. part

**Direction (81-85):** Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). (Ignore errors of punctuation, if any.)

81. Your over-independent on a)/ others even for b)/ trivial matters may c)/ prove disadvantageous. d)/ No error e)

82. People who are a)/ fortunate enough to own b)/ a personal library are always c)/ held in high esteem by me. d)/ No error e)

83. A small loaf of bread a)/ given with affection b)/ is far superior to c)/ a delicious dish served with indifferently. d)/ No error e)

84. Everybody know a)/ that his failure can b) be attributed only c)/ to his lack of practice d.) No error e)

85. Most of the popular tele-serials a)/ are not only illogical b)/ in their story line c)/ but also crude in their presentation. d)/ No error e)

**Directions (86-90):** Rearrange the following five sentences (A), (B), (C), (D) and (E) in the proper sequence to form a paragraph; then answer the questions given below them.

(A) A small wooden nest box is all it has taken to rekindle all the romance of bringing sparrows and other birds back into our cities and halt them from fading into the past like a forgotten folktale.

(B) There is something wrong with a city that remains unperturbed even as its birds desert it.

(C) Thankfully, the situation is not as hopeless as it seems.

(D) Much as we try to defend the seemingly irreversible modern life of these cities, we can't stop our hearts from crying when we realize that our rapidly degenerating urban eco-system isn't generous enough to let these delicate winged creatures build tiny little nests in its nooks and crannies, sit in solitude, and rear offspring.

(E) And this desertion seems to be true with most metros in India where house sparrows have almost become a thing of the past.

86. Which of the following should be the **FIRST** sentence after rearrangement ?

- (a) A                      (b) B                      (c) C                      (d) D                      (e) E

87. Which of the following should be the **SECOND** sentence after rearrangement ?

- (a) E                      (b) D                      (c) C                      (d) B                      (e) A

88. Which of the following should be the **THIRD** sentence after rearrangement ?

- (a) A                      (b) B                      (c) C                      (d) D                      (e) E

89. Which of the following should be the **FOURTH** sentence after rearrangement ?

- (a) E                      (b) D                      (c) C                      (d) B                      (e) A

90. Which of the following should be the **FIFTH** sentence after rearrangement ?

- (a) A                      (b) B                      (c) C                      (d) D                      (e) E

**Directions (91-95):** Which of the phrases (a), (b), (c) and (d) given below each statement should replace the phrase printed in **bold** in the sentence to make it grammatically correct? If the sentence is correct as it is given and 'No correction is required,' mark (e) as the answer.

91. A twenty-first century economy **cannot be held** hostage by power cuts nor travel on nineteenth century roads.  
 (a) cannot be hold (b) can either be held  
 (c) can neither be held (d) can either be hold  
 (e) No correction required
92. The company's philosophy is to make sure that the employees are happy, have the ability to be intellectually stimulated and **contributes towards their growth**.  
 (a) contribute to their growth  
 (b) contribute towards its growth  
 (c) contributes towards its growing  
 (d) contribute to its growing  
 (e) No correction required
93. **Even though many companies are** now penetrating rural India, it would help to give India a real chance of witnessing a double digit GDP growth.  
 (a) Despite many companies are  
 (b) As many company is  
 (c) Besides many company are  
 (d) Since many companies are  
 (e) No correction required
94. Today, governments are introducing more and more technology into their system to address the needs of citizens at a pace **fast than that of** manual operations.  
 (a) faster than that of (b) faster than those for  
 (c) fast than that for (d) more than that for  
 (e) No correction required
95. Making good school education a reality **would require major change** in existing school system with expansion at both secondary and elementary levels.  
 (a) should requires major changes  
 (b) would require major changes  
 (c) must require some changes  
 (d) require major changes  
 (e) No correction required

**Directions (96-100):** In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

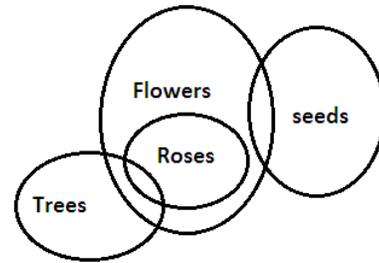
Pakistan is slowly becoming ..(96).. to its home-grown terrorism. The attack on Bacha Khan University, which killed mainly students, is reminiscent of the Peshawar terror attack in which ..(97).. of school-children were killed. One of the major ways Pakistan can eliminate/reduce terrorism is by providing the right education to its youth and taking stern action ..(98).. those directly or indirectly involved in running terror outfits. In its own interest, Pakistan also ..(99).. to end its policy of targeting India in the name of Kashmir. The state needs to gain control over the deep state, consisting of the Army and the Inter-Services Intelligence (ISI). It needs to show action on ..(100).. perpetrators of terror attacks like those on Pathankot to justice.

96. (a) culprit (b) target (c) victim  
 (d) criminal (e) founder
97. (a) numbers (b) data (c) most  
 (d) scores (e) amount
98. (a) across (b) against (c) about  
 (d) toward (e) for
99. (a) needs (b) wants (c) wishes  
 (d) hates (e) works
100. (a) emerging (b) forcing (c) pulling  
 (d) pushing (e) bringing

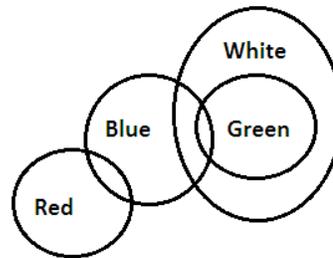
**Solutions:**

**Direction (1-5)**

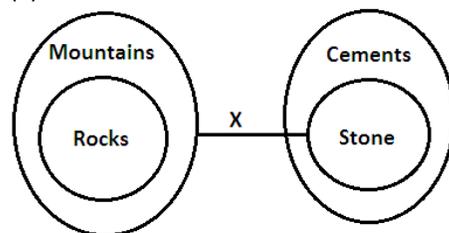
**(1-2):**



1. (a)  
 2. (d)  
**(3-4)**



3. (e)  
 4. (d)  
 5. (d)



**Directions (6-10):**

	Sushant	Abhishek	Nandita	Shalini	Nidhi
Row I					
Row II	Manish	Rohit	Apurva	Rahul	Kriti

6. (c)
7. (e)
8. (d)
9. (e)
10. (b)

**Direction (11-15):**

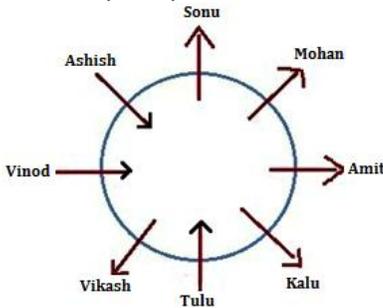
11. (c)
12. (a)
13. (a)
14. (b)
15. (d)

**Direction (16-20)**

Ajay	Ac/Doc/Eng.	Orange/Black
Raju	Bank Manager	Green
Shivam	Lawyer	Yellow
Mannu	Ac/Doc	grey
Nakul	Ac/Doc/Eng.	Black/Orange

16. (e)
17. (d)
18. (b)
19. (d)
20. (a)

**Direction (21-25):**



21. (a)
22. (a)
23. (d)
24. (c)
25. (d)

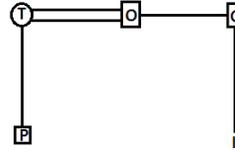
**Direction (26-30):**

fastest – re  
 champion – nu  
 is – li  
 vettel – fo  
 team – jit  
 Ferrari / was – pil / dil

26. (c)
27. (e)
28. (d)
29. (c)
30. (b)

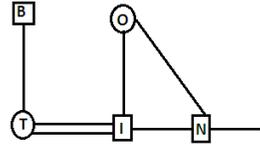
**Direction(31-32)**

31. (d)



(I is nephew of T, is false because gender of I is not given)

32. (b)



(I is son in law of B)

33. (c)  $A > D > E > C > B$

Hence, C is the second youngest among them.

34. (b)  $R > P > Q > A > C > B$

Q is third eldest among them.

35. (d) Rohit > Ravi > Deepak > Mohan > Arpit > Sachin .Four persons are between Rohit and Sachin if they are arranged in descending order of their age.

36. (a); Income = Expenditure + Profit

Income in 2005 = 40 lakh + 35% of 40 lakh  
 = 54 lakh

Similarly incomes of company A in other years are :

- 2006  $\Rightarrow$  27 lakh
- 2007  $\Rightarrow$  105 lakh
- 2008  $\Rightarrow$  90 lakh
- 2009  $\Rightarrow$  14 lakh
- 2010  $\Rightarrow$  31.25 lakh
- 2011  $\Rightarrow$  63.25 lakh

So, income of company A is more than Rs. 50 lakhs in 4 years

37. (e); Income of company B in 2009 =  $30 + \frac{70 \times 30}{100} = 51$  lakh

Income of company C in 2007 =  $80 + \frac{20 \times 80}{100} = 96$  lakh

Required percentage =  $\frac{45}{96} \times 100$   
 $\cong 47\%$

38. (b); Income of company C in all years (in Rs. lakh) :

- 2005  $\Rightarrow 50 + \frac{30 \times 50}{100} = 65$
- 2006  $\Rightarrow 28 + \frac{45 \times 28}{100} = 40.6$
- 2007  $\Rightarrow 80 + \frac{20 \times 80}{100} = 96$
- 2008  $\Rightarrow 85 + \frac{15 \times 85}{100} = 97.75$
- 2009  $\Rightarrow 12 + \frac{75 \times 12}{100} = 21$
- 2010  $\Rightarrow 35 + \frac{50 \times 35}{100} = 52.5$
- 2011  $\Rightarrow 75 + \frac{60 \times 75}{100} = 120$

Required average =  $\frac{65+40.6+96+97.75+21+52.5+120}{7}$   
 = Rs 70 lakh

39. (d); Income of company B in 2011 =  $35 + \frac{40 \times 35}{100} = 49$  lakh

Income of company C in 2009 = 21 lakh.

Required ratio = 49 : 21  
 = 7 : 3

40. (c); Difference between income of company A and C in different years (in Rs. lakh)

- 2005  $\Rightarrow$  11  
 2006  $\Rightarrow$  13.6  
 2007  $\Rightarrow$  9  
 2008  $\Rightarrow$  7.75  
 2009  $\Rightarrow$  7  
 2010  $\Rightarrow$  21.25  
 2011  $\Rightarrow$  56.75

Clearly the difference was maximum in 2011.

41. (a);

State	Total No. of teachers	Female	Male	Difference of Male and Female
M.P.	2523	646	1877	1231
Gujarat	1566	782	784	2
Goa	1044	612	432	180
Punjab	1479	816	663	153
Jharkhand	2088	544	1544	1000

$\Rightarrow$  Difference between male and female teachers is third lowest in Goa.

42. (d); Required percentage =  $\frac{1877}{1044+1479} \times 100$   
 $\cong 74\%$

43. (c);

44. (a);

45. (b); Required ratio = 816 : 2088  
 $= 34 : 87$

46. (a);  $x = -6$

$y = -7, -8$

$\Rightarrow x > y$

47. (a);  $x = 5.92$

$y = -6, -7$

$x > y$

48. (e);  $2x^2 - 3x - 35 = 0$

$\Rightarrow x = 5, -3.5$

$y^2 - 7y + 6 = 0$

$\Rightarrow y = 1, 6$

$\Rightarrow$  No relation between x and y

49. (d);  $6x^2 - 29x + 35 = 0$

$\Rightarrow x = 2.5, 2.33$

$2y^2 - 19y + 35 = 0$

$\Rightarrow y = 7, 2.5$

$\Rightarrow y \geq x$

50. (b);  $12x^2 - 47x + 40 = 0$

$\Rightarrow x = 2.67, 1.25$

$4y^2 + 3y - 10 = 0$

$\Rightarrow y = 1.25, -2$

$\Rightarrow y \leq x$

51. (c); The given series is based on the following pattern :

$30 = 12 \times 6 - 7 \times 6$

$120 = 30 \times 5 - 6 \times 5$

$460 = 120 \times 4 - 5 \times 4$

$1368 = 460 \times 3 - 4 \times 3$

$2730 = 1368 \times 2 - 3 \times 2$

Similarly.

(a) =  $16 \times 6 - 7 \times 6 = 54$

(b) =  $54 \times 5 - 6 \times 5 = 240$

(c) =  $240 \times 4 - 5 \times 4 = 940$

(d) =  $940 \times 3 - 4 \times 3 = 2808$

52. (e); The pattern is :

$\times 3, \div 2, \times 3, \div 2, \times 3$

53. (b); The pattern is :

$\times 13, \times 11, \times 7, \times 5, \times 3$

54. (a); The pattern is :

$-2^3, +3^3, -4^3, +5^3, -6^3$

55. (d); The pattern is :

$\times 0.5 + 0.5, \times 1 + 1, \times 1.5 + 1.5, \times 2 + 2$

56. (a); Let the sum of P, Q and R be 6x, 19x and 7x respectively.

Total sum =  $6x + 19x + 7x = 32x$

According to the question :

$6x : 19x + 200 : 7x - 200 = 3 : 10 : 3$

$\Rightarrow 6x = 7x - 200$

$\Rightarrow x = 200$

So, total amount =  $32 \times 200 = 6400$  Rs

57. (b); Ratio of their investments :

$(25000 \times 1 + 35000 \times 1 + 45000 \times 1) : 35000 \times 2 : 35000 \times 1$

$= 3 : 2 : 1$

Anuj's share =  $\frac{2}{6} \times 150000 = \text{Rs } 50000$

58. (b); Suppose there are 8x questions other than the 41 questions.

Then,  $\frac{37+5x}{41+8x} \times 100 = 80$

$\Rightarrow \frac{37+5x}{41+8x} = \frac{4}{5}$

$\Rightarrow x = 3$

So, total number of questions =  $41 + 8x = 41 + 8 \times 3$

$= 65$

59. (a); Let the ages of A, B and C be a, b and c respectively.

According to the question :

$a + b = 40$

$c + b = 38$

$a + c = 42$

$\Rightarrow a + b + c = 60$

Using the above equations :

$a = 22, b = 18, c = 20$

60. (a); Let the S.P. of both of them be Rs. x.

Nitesh's profit =  $\frac{25x}{100} = \frac{x}{4}$

Gaurav's C.P. =  $\frac{100x}{125}$

$\Rightarrow$  Gaurav's profit =  $\frac{x}{5}$

According to the question :

$\frac{x}{4} - \frac{x}{5} = 100$

$\Rightarrow x = \text{Rs } 2000$

61. (c); Let the sum lent at 7% per annum be Rs x.

According to the question :

$\frac{x \times 7 \times 6}{100} + \frac{(8000-x) \times 5 \times 6}{100} = 2600$

$\Rightarrow x = \text{Rs. } \frac{5000}{3}$

62. (c);  $2249.52 = P \left( 1 + \frac{3}{100} \right) \left( 1 + \frac{4}{100} \right) \left( 1 + \frac{5}{100} \right)$

⇒ P = Rs. 2000

63. (a); Let the speed of Nikhil's boat in still water be  $X$   
And let the speed of the stream be  $x$  and distance between A and C be  $2a$

According to the question :

$$\frac{a}{S+X} + \frac{a}{S-X} = 10 \quad \dots\dots(i)$$

$$\frac{2a}{S+X} = 4$$

$$\Rightarrow \frac{a}{S+X} = 2 \quad \dots\dots(ii)$$

From (i) and (ii) :

$$\frac{a}{S-X} = 8 \quad \dots\dots(iii)$$

From (ii) and (iii) :

$$S : X = 5 : 3$$

64. (b); Let the first train meets the second train  $t$  hours after starting

According to the question :

$$35t + 40(t + 0.5) = 95$$

$$\Rightarrow t = 1 \text{ hour}$$

65. (d); A's one day work =  $\frac{1}{12}$

$$B's \text{ one day work} = \frac{1}{8}$$

$$(A+B)'s \text{ one day work} = \frac{1}{8} + \frac{1}{12} = \frac{5}{24}$$

$$\Rightarrow \text{Time taken by (A + B) to complete the whole work} = \frac{24}{5}$$

$$\Rightarrow \text{Time taken by C} = \frac{4}{5} \times \frac{24}{5} = \frac{96}{25}$$

$$\Rightarrow C's \text{ one day work} = \frac{25}{96}$$

$$\text{Work done by A \& B in 3 days} = \frac{5}{8}$$

$$\text{Remaining work} = \frac{3}{8}$$

$$\Rightarrow \text{Time taken by C} = \frac{\frac{3}{8}}{\frac{25}{96}} = \frac{36}{25} = 1.44 \text{ days}$$

⇒ C worked for 1 complete day

66. (a);  $\frac{750 \times 520}{100} \times \frac{1}{770} \cong 5$

67. (d);  $55 \times 55 \times 2.5 \cong 7960$

68. (b);

69. (c);

70. (e);  $780 + 50 \times 30 - 60 = 2220$

71. (c); Beyond just numbers is the best title of the passage.

72. (e); All the statements are true in context of the passage.

73. (a); The passage says: "Reviewing the scope of the ombudsman scheme and educating customers on the procedures to lodge complaints, will ensure that grievances that do find their way into the redressal system get resolved effectively." Hence, option (a) is true.

74. (c); "Customers have had a laundry list of woes regarding failure of withdrawals from ATMs, issue of unsolicited cards and insurance policies, and banks' non-adherence to 'fair practices' or BCSBI (Banking Codes and Standards Board of India) codes." Thus, option (c) is true.

75. (c); **Steep** means rising or falling sharply. So, abrupt is the word which is similar in meaning to it.

76. (b); **Redress** means remedy or set right. So, compensation is the word which is similar in meaning to it.

77. (e); **Longstanding** means having existed or continued for a long time. So, abiding is the word which is similar in meaning to it.

78. (c); **Ensure** means make certain that (something) will occur or be the case. So, endanger is the word which is opposite in meaning to it.

79. (b); **Stringent** means strict, precise, and exacting. So, easy going is the word which is opposite in meaning to it.

80. (d); **Chunk** means piece of something. So, whole is the word which is opposite in meaning to it.

81. (a); 'Your over-dependence on' is the correct usage. As 'dependent' is an adjective, its noun form will be used as a subject.

82. (e); No error

83. (d); The word 'indifferently' has wrongly been used. It should be replaced with its noun form 'indifference'.

84. (a); 'Everybody' is a singular noun. Hence, the correct verb should be 'knows', not 'know'

85. (e); No error

For questions (86-90); The correct sequence to form meaningful paragraph is **BEDCA**.

86. (b); B

87. (a); E

88. (d); D

89. (c); C

90. (a); A

91. (c); Replace 'cannot be held' with 'can neither be held' as neither... nor is correct form of correlative.

92. (b); Replace 'contributes towards their growth' with 'contribute towards its growth'

93. (d); Replace 'Even though many companies are' with 'Since many companies are'

94. (a); Replace 'fast than that of' with 'faster than that of'.

95. (b); Replace 'would require major change' with 'would require major changes'.

96. (c) 97. (d) 98. (b) 99. (a) 100. (e)



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# SBI CLERK-MAINS : PRACTICE SET

## REASONING ABILITY & COMPUTER APTITUDE

**Direction (1-5):** Study the following information carefully and answer the given questions:

Ragini, Roshini, Rahul, Renu, Rajeev, Rashmi, Rohit and Rocky are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at the four corners face the centre while those who sit in the middle of the sides face outside. Two females sit in the middle of the sides and two at the corners. Ragini sits second to the left of Rohit. Rohit sits in the middle of one of the sides. Rahul sits fourth to the right of his wife and his wife is not an immediate neighbour of Ragini or Rohit. Roshini sits third to right of her husband. Roshini does not sit at any of the corners. Only Renu sits between Roshini and Rocky. Rocky is the husband of Ragini. Rajeev is a male.

- Which of the following is true with respect to the given seating arrangement?
  - No two males are immediate neighbours of each other.
  - Rohit and Rocky are immediate neighbours of each other.
  - Rajeev and Renu are immediate neighbours of each other
  - Rashmi is a male and sits diagonally opposite to Rajeev
  - Ragini sits at the centre of one of the sides of the square table
- Who amongst the following is Roshini's husband?
  - Rahul
  - Rohit
  - Rajeev
  - Rashmi
  - Cannot be Determined
- How many people sit between Roshini and Rahul when counted in anti-clockwise direction from Roshini?
  - None
  - One
  - Two
  - Three
  - Four
- Who amongst the following is the wife of Rahul?
  - Renu
  - Rashmi
  - Roshini
  - Rohit
  - Cannot be determined
- What is the position of Rajeev with respect to Rahul?
  - Immediately to the left
  - Second to the right
  - Third to the right
  - Immediately to the right
  - Second to the left

**Direction (6-10):** Study the following information carefully and answer the questions which follow—

In a certain language, 'proper practice gives base' is coded as 'pu do la po',

'proper class result is excellent' is coded as 'mo mu lu ha po',

'revision gives result' is coded as 'ha du la'

class practice before exam' is coded as 'ma mu hu do'.

- What can be the code for 'exam need proper base'?
  - ma do po ko
  - hu pu po lu
  - pu po ma ki

(d) du mo pu po (e) po hu do ko

- What is the code for 'revision'?
  - la
  - ha
  - du
  - Either ha or du
  - Either la or ha
- Codes 'mu do' stand for \_\_\_\_\_.
  - practice class
  - base class
  - revision base
  - practice base
  - practice revision
- What can be the code for 'final class practice'?
  - fu do la
  - mu fa do
  - mu fu lu
  - do hu mu
  - None of these
- For how many words codes cannot be determined?
  - four
  - five
  - six
  - seven
  - three

**Direction (11-15)** Study the following information carefully and answer the questions which follow—

'T – Z' means 'T is father of Z'

'T ÷ Z' means 'T is sister of Z'

'T × Z' means 'T is mother of Z'

'T + Z' means 'T is brother of Z'

- Which of the following means 'A is nephew of B'?
  - $A + C - B \times K$
  - $B \div H - A + D$
  - $B \div G - A \div R$
  - $B + T \times A \div E$
  - None of these
- Which of the following means 'P is grandfather of J'?
  - $J \div W - U - P$
  - $P \times G + J \div A$
  - $P - B \div J \div R$
  - $P - T - J \div S$
  - None of these
- How is R related to B in the expression 'B ÷ C – S + R'?
  - nephew or niece
  - niece
  - nephew
  - None of these
  - Cannot be determined
- Among five friends P, Q, R, S and T, Q is taller than R. T is taller than P. S is shorter than P but taller than Q. Who among them is the second shortest?
  - T
  - Q
  - R
  - P
  - Cannot be determined
- If Ritu is taller than Kavita but shorter than Gunjan and Kavita is not as short as Aditi but shorter than Payal. Then Gunjan is
  - Tallest
  - Second taller
  - Third taller
  - Tallest or second taller
  - Second taller or third taller

**Direction (16-20):** Study the following information carefully and answer the given questions.

Six persons—Tiger, Akshay, Shahrukh, Varun, Ranveer and Arjun—stay on different floors of a six-storey building (ground floor is numbered as floor 1 and top floor is numbered as floor 6). Each

of them is in a different profession, viz Doctor, Engineer, Lawyer, Architect, Journalist and Teacher.

Varun is a lawyer but stays neither on floor 2 nor on floor 5. Akshay is neither an Architect nor a Journalist but stays on floor 6. The Journalist doesn't stay below the floor of the Architect but stays below the floor of the Engineer. The Teacher stays either on floor 1 or on floor 4. Ranveer doesn't stay on an odd-numbered floor. Tiger, who stays on floor 4, is either a Journalist or an Architect. Either Shahrukh or Arjun is an Engineer.

16. If Arjun stays on floor 1, what is the profession of Shahrukh?

- a) Lawyer                      b) Engineer                      c) Teacher  
d) Architect                      e) Can't be determined

17. Who stays on floor 3?

- a) Engineer                      b) Lawyer                      c) Doctor  
d) Architect                      e) Teacher

18. Which of the following combinations is definitely true?

- a) Shahrukh–Teacher–Floor 1  
b) Varun–Lawyer–Floor 5  
c) Ranveer–Architect–Floor 2  
d) Arjun–Engineer–Floor 5  
e) None of these

19. Which of the following combinations is definitely false?

- a) Tiger–Journalist–Floor 2      b) Akshay–Doctor–Floor 6  
c) Ranveer–Architect–Floor 2      d) Varun–Lawyer–Floor 3  
e) None of these

20. Who stays on floor 2?

- a) Engineer                      b) Lawyer                      c) Doctor  
d) Architect                      e) Teacher

**Direction (21-25):** Each question consists of two or three statements followed by two conclusions numbered I and II. Consider the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follow from the given statements using all statements together.

Mark your answer as,

- (a) If only conclusion I follows  
(b) If only conclusion II follows  
(c) If either conclusion I or conclusion II follows  
(d) If neither conclusion I nor conclusion II follows  
(e) If both conclusion I and conclusion II follow

21. **Statements :** All bricks are stones

Some stones are rocks                      All rocks are mountains

**Conclusions :**

- I. Some mountains which are stones are also a part of bricks  
II. No rock is brick is a possibility

22. **Statements :** All sixes are scores

All boundaries are fours

No boundary is score

**Conclusions :** I. All sixes are fours is a possibility

II. All scores which are fours are also a part of boundaries

23. **Statements :** Some cars are mobiles

All mobiles are phones                      All cars are trucks

**Conclusions :** I. Some cars are not phones

II. All trucks are phones is a possibility

24. **Statements :** Some husbands are fathers

All fathers are parents

Some husbands are not mothers

**Conclusions :** I. All mothers are fathers is a possibility

II. All husbands are parents is a possibility

25. **Statements :** All rings are watches

Some bangles are rings                      Some caps are watches

**Conclusions :** I. No cap is bangle is a possibility

II. Some rings which are caps they must be a part of bangles

**Direction (26-30) :** In each of the questions given below two statements I and II are given. You have to determine whether the data given in the statements is sufficient to answer the question or not.

Answer (a) if the data given in statement I is sufficient to answer the question whereas data given only in statement II is not sufficient to answer the question.

Answer (b) if the data given only in statement II is sufficient to answer the question whereas data given only in statement I is not sufficient to answer the question.

Answer (c) if the data given either only in statement I or only in statement II is sufficient to answer the question.

Answer (d) if the combined data given in statement I and statement II are not sufficient to answer the question.

Answer (e) if the combined data given in statement I and statement II are necessary to answer the question.

26. In a code language, what do 'Pa' mean ?

I. In that code language 'Pe Bo Pa' means 'look at me' and 'Bo Se Pe Ki' means 'don't look at him'

II. In that code language 'Ka Ta Ne Pa' means 'take me and go' and 'Li Wa Si Pa' means 'either me or you'.

27. What is the relation between Seema and Mangesh ?

I. Shalini is cousin of Mangesh and niece of Seema.

II. Sulekha, sister of Seema, and wife of Omkar who is father of Mangesh.

28. What is the rank of Shekhar in the class of 40 ?

I. Sameer, who is ninth from top, is 12 rank above Shailendra who is 5 rank below Shekhar.

II. Neelesh, who is between Shekhar and Sudhanshu, is 15th from bottom.

29. P, Q, R, S and T have different ranks. Which of them have the lowest rank?

I. S is two ranks below R whose rank is not the highest.

II. Rank of P is above S but below Q and T.

30. Who runs fastest in A, B, C, D and E?

I. B runs faster than E but not the fastest.

II. C, although does not run as fast as A and B, but runs faster than D and E.

**Direction (31-35):** Study the following information carefully and answer the questions given below:

Seven people Meena, Maya, Monika, Monalisha, Mamta, Meenakshi and Madhuri have their weekly offs on different days of the week i.e. Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday not necessarily in that order. Each of them has a liking for different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Maya likes Thai food and gets his weekly off on Thursday. Monalisha likes Italian food and does not have off on Sunday. Mamta has weekly off on Saturday and Madhuri has his weekly off on Tuesday. Meenakshi likes continental food whereas the one who has weekly off on Monday likes Mexican cuisine. Monika does not like Spanish cuisine and has weekly off on Wednesday. The one who likes Indian food does not have a weekly off on Tuesday or Wednesday.

31. Who has a weekly off on Friday?  
 (a) Monika (b) Madhuri (c) Meenakshi  
 (d) Data inadequate (e) None of these
32. What cuisine does Madhuri like?  
 (a) Continental (b) Indian (c) Italian  
 (d) Spanish (e) None of these
33. On which day does Meena have weekly off ?  
 (a) Tuesday (b) Friday (c) Monday  
 (d) Sunday (e) None of these
34. Who likes Chinese cuisine?  
 (a) Monika (b) Monalisha (c) Madhuri  
 (d) Meena (e) None of these
35. On which day does Meenakshi have weekly off?  
 (a) Monday (b) Sunday (c) Wednesday  
 (d) Data inadequate (e) None of these

**Direction (36-40):** Read the information /statement given in each question carefully and answer the questions.

36. Which of the following expressions will be true if the expression ' $W \leq V > T \geq S$ ' is definitely true?  
 (a)  $W \leq S$  (b)  $T < W$  (3)  $V > S$   
 (d)  $W \leq T$  (e) None is true
37. Which of the following expressions will not be true if the expression ' $A \geq B = C > D$ ' is definitely true?  
 (a)  $A \geq D$  (b)  $C \leq A$  (c)  $D < A$   
 (d)  $B > D$  (e) All are true
38. In which of the following expression will the expression  $F \leq R'$  be definitely true?  
 (a)  $F < Q \leq G < R$  (b)  $R \geq Q < G \geq F$  (c)  $R \geq G = Q \geq F$   
 (d)  $F = Q \leq G < R$  (e) None of these
39. In which of the following expressions does the expressions  $L < P'$  does not hold true?

- (a)  $P > N \geq M = L$  (b)  $L = N \leq M < P$  (c)  $P < N \leq M \leq L$   
 (d)  $L < M = N \leq P$  (e)  $L < M < N < P$

40. Which of the following expressions will be true, if the expression ' $J \geq H = I > K$ ' is definitely true?  
 (a)  $J \geq K$  (b)  $K < H$  (c)  $I \geq J$   
 (d)  $K = J$  (e) None of These
41. In Web Word "URL" use for?  
 a) Ultra Resource Locator  
 b) Ultimate Resource Locator  
 c) Universal Resource Locator  
 d) Uniform Resource Locator  
 e) None of these.
42. Which of the following can be directly understood by a CPU?  
 a) Assembly Language (b) Machine Language  
 c) Primary Language (d) High Level Language  
 e) None of the above
43. The printed copy of any output is known as  
 a) Hard Copy (b) Scanned Output  
 c) Printed Output (d) Soft Output (e) Paper Copy
44. Assembly Language is known as which among the following?  
 a) High Level Programming Language  
 b) Medium Level Programming Language  
 c) Low Level Programming Language  
 d) Advanced Programming Language  
 e) Basic Programming Language
45. In MS Excel, the intersection of a row and a column is known as which among the following?  
 a) Cell (b) Indent (c) Font  
 d) Table (e) None of the Above
46. When a computer is turned on, which of the following is run by BIOS in order to check whether all the hardware components are working properly?  
 a) Booting (b) Warm Booting (c) Cold Booting  
 d) Power on Self Test (e) None of the Above
47. LINUX is an example of which among the following?  
 a) Computer Virus (b) Web Browser  
 c) Operating System (e) Web Based Application Software  
 e) Web Technology
48. In MS Word, the function key used to check spellings is -  
 a) F5 (b) F6 (c) F7  
 d) F8 (e) F9
49. Which of the following communication modes support -two-way traffic but in only one direction at a time?  
 a) half duplex (b) simplex  
 c) three-quarters duplex  
 d) all of the above (e) none of the above
50. A \_\_\_\_\_ is anything that can cause harm.  
 a) vulnerability (b) phish (c) Threat  
 d) spoof (e) All of the above

**Maths**

**Directions (51-60):** What should come in place of question mark (?) in the following question?

51.  $\frac{13824+17576}{576+676-624} = ?$   
 (a) 95 (b) 80 (c) 70  
 (d) 60 (e) 50
52.  $2\frac{1}{9} \times 3\frac{6}{7} - 2\frac{4}{7} = ?$   
 (a)  $5\frac{4}{7}$  (b)  $4\frac{4}{7}$  (c)  $5\frac{3}{7}$   
 (d)  $3\frac{2}{7}$  (e) None of these
53.  $\sqrt{1820 + \sqrt{835 + \sqrt{43 - \sqrt{40 + \sqrt{81}}}}} = ?$   
 (a) 28 (b) 27 (c) 39  
 (d) 43 (e) 49
54. 75% of 780 + (?)% of 1662 = 60% of 2360  
 (a) 35 (b) 20 (c) 30  
 (d) 65 (e) 50
55.  $15\sqrt{7} + 1246 = \frac{2}{5}$  of 4465  
 (a) 1236 (b) 1296 (c) 1225  
 (d) 1156 (e) 1444
56. 45% of 1998 + ? = 65% of 2400  
 (a) 660.9 (b) 690.8 (c) 669.7  
 (d) 780.2 (e) 682.4
57.  $\sqrt{24 \times 20 \times ?} = 120$   
 (a) 36 (b) 42 (c) 30  
 (d) 40 (e) 50
58.  $\frac{37 \times 37 \times 37 + 33 \times 33 \times 33}{37 \times 37 + 33 \times 33 - 1221} = ?$   
 (a) 4 (b) 70 (c) 74  
 (d) 80 (e) None of these
59.  $\frac{4.5 \times 6 - 3.6 \times 5}{8.8 \times 5 - 5.5 \times 6} = ?$   
 (a)  $\frac{7}{11}$  (b)  $\frac{8}{11}$  (c)  $\frac{9}{11}$   
 (d)  $\frac{5}{11}$  (e)  $\frac{5}{7}$
60. 1.2% of 1125 + 2.4% of 975 = ?  
 (a) 36.3 (b) 37.4 (c) 38.1  
 (d) 39.2 (e) None of these
61. The sum of the square of two positive numbers is 100 and difference of their square is 28, the sum of the numbers is  
 (a) 30 (b) 31 (c) 29  
 (d) 28 (e) None of these
62. Two numbers are in the ratio 5 : 7. On diminishing each of them by 40, they became in the ratio 17 : 27. The difference of the numbers is  
 (a) 18 (b) 52 (c) 137

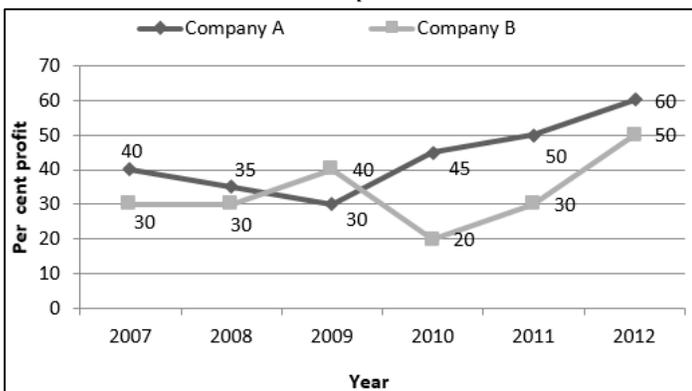
- (d) 50 (e) None of these
63. If the compound interest on a certain sum for 2 consecutive years is Rs. 220 and Rs. 242, then the rate of interest per annum is  
 (a) 8% (b) 10% (c) 11%  
 (d) 12% (e) None of these
64. The height of a wall is six times its width and the length of the wall is seven times its height. If volume of the wall be 16128 cu m, its width is  
 (a) 5 m (b) 4m (c) 4.5 m  
 (d) 6 m (e) None of these
65. A and B can do a piece of work in 8 days, B and C can do the same work in 12 days. If A, B and C can complete the same work in 6 days, in how many days can A and C complete the same work?  
 (a) 8 (b) 10 (c) 12  
 (d) 16 (e) None of these
66. The speeds of three cars are in the ratio 4 : 3 : 2. What is the ratio between the times taken by the cars to cover the same distance?  
 (a) 2 : 3 : 4 (b) 3 : 4 : 6 (c) 1 : 2 : 3  
 (d) 4 : 3 : 2 (e) None of these
67. A scooterist completes a certain journey in 10 h. He covers half the distance at 30 km/h and the rest at 70 km/h. What is the total distance of the journey?  
 (a) 210 km (b) 400 km (c) 420 km  
 (d) 500 km (e) None of these
68. 25% of what amount of money is equal to  $12\frac{1}{2}\%$  of Rs.180?  
 (a) Rs. 120 (b) Rs. 75 (c) Rs. 80  
 (d) Rs. 90 (e) None of these
69. Rs. 5625 are divided among A, B and C so that A receives  $\frac{1}{2}$  as much as B and C together receive and B receives  $\frac{1}{4}$  of what A and C together receive. The share of A is more than B by  
 (a) Rs. 750 (b) Rs. 775 (c) Rs. 1500  
 (d) Rs. 1600 (e) None of these
70. A man covers half of his journey at 6 km/h and the remaining half at 3 km/h. His average speed is  
 (a) 9 km/h (b) 4.5 km/h (c) 4 km/h  
 (d) 3 km/h (e) None of these
71. A boat running downstream covers a distance of 10 km in 2 h. While coming back stream the boat takes 5 h to cover the same distance. If the speed of the current is 1.5 km/h, what is the speed of the boat in still water?  
 (a) 5.125 km/h (b) 3.5 km/h (c) 5.3 km/h  
 (d) 4.3 km/h (e) None of these

72. If the simple interest on a sum of money for 2 yr at 5% per annum is Rs. 50, what will be the compound interest on the same sum at the same rate for the same time?  
 (a) Rs. 51.25 (b) Rs. 52 (c) Rs. 54.25  
 (d) Rs. 60 (e) None of these
73. The diameter of a circle is increased by 3 cm, then the ratio of the new radius to the new circumference will be  
 (a)  $2\pi : 1$  (b)  $\pi : 2$  (c)  $2 : \pi$   
 (d)  $1 : 2\pi$  (e) None of these
74. The perimeter of a rectangle is 160 m and the difference of two adjacent sides is 48 m. Find the side of a square whose area is equal to the area of the rectangle.  
 (a) 32 m (b) 8 m (c) 4 m  
 (d) 16 m (e) None of these
75. If the area of a triangle with base 12 cm is equal to the area of a square with side 12 cm. The altitude of the triangle will be  
 (a) 12 cm (b) 24 cm (c) 18 cm  
 (d) 36 cm (e) None of these

**Directions : (76-80) :** Study the following graph to answer the given questions.

**Percent profit earned by two companies over the given years**

$$\% \text{ profit} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$



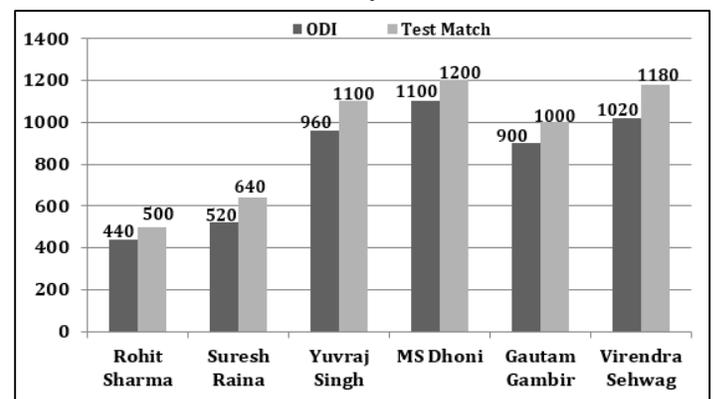
76. If the expenditure of Company B in the year 2010 was Rs 200 crore, what was its income in the same year?  
 (a) Rs 240 crore (b) Rs 220 crore  
 (c) Rs 160 crore (d) Can't be determined  
 (e) None of these
77. If the income of Company A in the year 2012 was Rs 600 crore, what was its expenditure in that year?  
 (a) Rs 360 crore (b) Rs 220 crore  
 (c) Rs 375 crore (d) Can't be determined  
 (e) None of these
78. If the income of Company B in the year 2008 was Rs 200 crore, what was its profit in the year 2009?  
 (a) Rs21.5 crore (b) Rs153 crore

- (c) Rs46.15 crore (d) Rs375 crore  
 (e) Can't be determined

79. If the incomes of the two companies in the year 2008 were equal, what was the ratio of their expenditures?  
 (a) 1 : 2 (b) 26 : 27  
 (c) 100 : 67 (d) Can't be determined  
 (e) None of these
80. What is the percentage increase in the per cent profit of Company B during 2010 to 2012?  
 (a) 75% (b) 175%  
 (c) 42.86% (d) Can't be determined  
 (e) None of these

**Directions (81-85):** Study the following graph carefully and answer accordingly.

**Scores made by different Indian cricket players in ODI and test matches in year 2011**



81. The difference of scores made by Yuvraj Singh in ODI and Test matches is what percentage more or less than the difference of scores made by MS Dhoni in ODI and Test matches is  
 (a) 40% less (b) 40% more (c) 28.5% more  
 (d) 28.5% less (e) None of these
82. Total scores made by all given players in ODI matches is what percentage of total scores made by them in test matches?  
 (a) 84.5% (b) 485.9% (c) 87.9%  
 (d) 89.7% (e) None of these
83. If Yuvraj Singh and MS Dhoni both played 25 ODI matches in this year, then average score of which player is better?  
 (a) Yuvraj Singh (b) MS Dhoni  
 (c) Both have equal average  
 (d) Can't be determined (e) None of these
84. How many players in ODI made score higher than the average score made by all players shown in the graph?  
 (a) 1 (b) 2 (c) 3  
 (d) 4 (e) 5
85. Total score made by Rohit Sharma, Yuvraj Singh and Gautam Gambhir in test matches is what percentage more/less by

score made by Suresh Raina, MS Dhoni and Virendra Sehwag in ODI matches?

- (a) 1.515% more (b) 1.515 less (c) 1.538 more  
(d) 1.538 less (e) None of these

**Directions (86-90)** : In each of these questions, two equations are given. You have to solve these equations and find out the values of x and y and-

**Give answer**

- (a). If  $x > y$  (b). If  $x \geq y$   
(c). If  $x < y$  (d). If  $x \leq y$   
(e). If  $x = y$  or relationship cannot be established

86. I.  $7x - 13y = 23$  II.  $\frac{11}{3}x + \frac{9}{7}y = 5$   
87. I.  $1.56x^2 - 223x + 221 = 0$  II.  $221y^2 - 673x + 506 = 0$   
88. I.  $1.3x^2 - 40x + 133 = 0$  II.  $7y^2 - 33y - 54 = 0$   
89. I.  $x^{(81 + \sqrt{64} \text{ of } 25\% \text{ of } 60 - 198)} = 300763$   
II.  $(y^8)^{1/4} = 4489$

90. I.  $7x^2 + 15x + 8 = 0$  II.  $5y^2 + 28y + 15 = 0$

**Directions (91-95)**: What should come in place of question mark (?) in the following number series?

91. **19, 25, 45, 87, 159, (?)**  
(a) 254 (b) 279 (c) 284  
(d) 269 (e) None of these  
92. **83, 124, 206, 370, 698, (?)**  
(a) 1344 (b) 1324 (c) 1364  
(d) 1334 (e) None of these  
93. **15, 21, 39, 77, 143, (?)**

- (a) 243 (b) 240 (c) 253  
(d) 245 (e) None of these

94. **33, 39, 57, 87, 129, (?)**  
(a) 183 (b) 177 (c) 189  
(d) 199 (e) None of these

95. **15, 19, 83, 119, 631, (?)**  
(a) 731 (b) 693 (c) 712  
(d) 683 (e) None of these

**Directions (96-100)**: What approximate value will come in place of the question mark (?) in the following equations?

96.  $125\% \text{ of } 4875 + 88.005 \times 14.995 = ?$   
(a) 7395 (b) 7490 (c) 7510  
(d) 7375 (e) 7415

97.  $33\frac{1}{3}\% \text{ of } 768.9 + 25\% \text{ of } 161.2 - 58.12 = ?$   
(a) 230 (b) 225 (c) 239  
(d) 220 (e) 275

98.  $\sqrt{3444} \times \sqrt{2121} \div \sqrt{1111} \times 10 = ?$   
(a) 720 (b) 740 (c) 810  
(d) 840 (e) 760

99.  $226 \cdot 007 + 258 \cdot 982 + 274 \cdot 98 - 420 \cdot 003 - 22 \cdot 969 = ?$   
(a) 272 (b) 242 (c) 260  
(d) 317 (e) 365

100.  $27\% \text{ of } 406 + 22\% \text{ of } 1125 = ?$   
(a) 440 (b) 466 (c) 334  
(d) 358 (e) 318

**English Language**

**Directions (101-110)**: Read the following passage carefully and answer the given questions. Certain words are given in bold to help you locate them while answering some of the questions.

Rural development in India has witnessed several changes over the years in its emphasis, approaches, strategies and programmes. It has assumed a new dimension and perspective as a consequence. Rural development can be richer and more meaningful only through the participation of clientele of development. Just as implementation is the **touchstone** for planning, people's participation is the centrepiece in rural development. People's participation is one of the foremost prerequisites of development process both from procedural and philosophical perspectives. For the development planners and administrators, it is important to solicit the participation of different groups of rural people, to make the plans participatory.

Rural development aims at improving rural people's livelihoods in an **equitable** and sustainable manner, both socially and environmentally, through better access to assets and services, and control over productive capital.

The basic objectives of Rural Development Programmes have been **alleviation** of poverty and unemployment through creation of basic social and economic infrastructure, provision of training to rural

unemployed and providing employment to marginal farmers/labourers to discourage seasonal and permanent migration to urban areas.

Rural development is the main pillar of nation's development. In spite of rapid urbanisation, a large section of our population still lives in the villages. Secondly, rural India has lagged behind in development because of many historical factors. Though the 11th Plan began in very favourable circumstances with the economy having grown at the rate of 7.7% per year in the 10th Plan period, there still existed a big challenge to correct the developmental imbalances and to accord due priority to development in rural areas. Ministry of Rural Development is implementing a number of programmes aimed at sustainable holistic development in rural areas. The thrust of these programmes is on all-round economic and social transformation in rural areas through a multi-pronged strategy aiming to reach out to the most disadvantaged sections of the society.

Although concerted efforts have been initiated by the Government of India through several plans and measures to alleviate poverty in rural India, there still remains much more to be done to bring prosperity in the lives of the people in rural areas. At present, technology dissemination is uneven and slow in the rural areas.

Good efforts of organisations developing technologies, devices and products for rural areas could not yield high success. Experiences of many countries suggest that technological development fuelled by demand has a higher dissemination rate. However, in India, technology developers for rural areas have been catering to needs, rather than creating demand. There is no industry-linkage machinery to create demand-based-technology market for rural communities. Besides, there is also an imbalance between strategies and effective management programmes. **Propagation** of technology/schemes for rural development is slow and there is a lacking in wider participation of different stakeholders. An ideal approach may, therefore, include the government, panchayats, village personnel, researchers, industries, NGOs and private companies to not only help in reducing this imbalance, but also to have a multiplier effect on the overall economy.

**101.** According to the passage, which of the following are the objectives of most Rural Development Programmes?

- (A) To promote urbanisation  
 (B) Provide training to youth  
 (C) Reducing unemployment  
 (a) Only A and C (b) Only C (c) Only B and C  
 (d) All the three (A), (B) and (C) (e) Only A

**102.** Which of the following is most nearly the **SAME** in meaning as the word given in bold as used in the passage?

**Alleviation**

- (a) mitigation (b) soothing (c) intensification  
 (d) outpouring (e) comfortable

**103.** Which of the following is most **OPPOSITE** in meaning of the word given bold as used in the passage?

**Propagation**

- (a) generation (b) producing (c) reproduction  
 (d) underdevelopment (e) growth

**104.** What, according to the passage, is the most important factor of rural development?

- (a) Alleviation of poverty and unemployment  
 (b) Employment to marginal farmers and labourers  
 (c) Participation of different groups of rural people  
 (d) Creation of basic social and economic infrastructure  
 (e) None of these

**105.** Which of the following is true according to the passage?

- (A) Urbanisation has resulted in a majority of Indian population living in urban areas.  
 (B) The economic growth of the 10th Five Year Plan did not translate into proportionate rural development.  
 (C) The efforts of the Government of India for poverty alleviation have met with complete failure.  
 (a) Only A and B (b) Only C (c) Only A and C  
 (d) Only B (e) All the three (A), (B) and (C)

**106.** Which of the following is most nearly the **SAME** in meaning as the word given in bold as used in the passage?

**Touchstone**

- (a) yardstick (b) periphery (c) sensitivity  
 (d) weakness (e) hurdle

**107.** According to the passage, what ails the process of technology-aided development in rural areas?

(A) Creation of demand for technology-aided development in rural areas is missing.

(B) There is lack of participation of rural people in the process of technology-aided development.

(C) There is a dearth of appropriate linkages needed for bringing about technology-aided development.

- (a) Only C (b) Only B and C (c) Only A  
 (d) Only A and B (e) All the three (A), (B) and (C)

**108.** Which of the following can be the most suitable title for the passage?

- (a) Technology in Rural India  
 (b) The Rural Indian Communities  
 (c) Rural Development—The Participative Way  
 (d) Rural India — Ignored by All the Stakeholders  
 (e) Rural Development —An Impossible Dream

**109.** What is the current status of the poverty alleviation programme initiated by the Government of India?

(A) Technology dissemination is uneven and slow in rural areas.

(B) There still remains much more to be done to bring prosperity in the lives of the people in rural areas.

(C) There is a lack of participation of different stakeholders.

- (a) Only (A) and (B) (b) Only (B) and (C)  
 (c) Only (A) and (C)  
 (d) All (A), (B) and (C) (e) None of these

**110.** Which of the following is most **OPPOSITE** in meaning of the word given in bold as used in the passage?

**Equitable**

- (a) troubled (b) unfair (c) separated  
 (d) futuristic (e) just

**Directions (111-115):** Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No error', the answer is e). (Ignore errors of punctuation, if any.)

**111.** a) Reading among the lines of a just-released optimistic report /b) on global flows of goods, services and finance by the McKinsey Global Institute, /c) one can conclude that the developed world is benefiting /d) more from globalization than the developing one. /e) No error

**112.** a) Money from poor countries /b) is flowing into richer ones /c) in large part due to the active purchase /d) of foreign assets by central banks. /e) No error

**113.** a) Have you ever had /b) a concept that you wished /c) brought to life, but didn't /d) possess the means to fabricate? /e) No error

**114.** a) In framing the new development agenda, the private sector must focus /b) on tackling unemployment and job creation /c) on a massive scale and on /d) dramatically improved access to electricity. /e) No error

**115.** a) Former Telecom Minister A Raja sought to drag Prime Minister Manmohan Singh's name /b) in a Delhi court by saying that /c) all actions were done with his /d) concurrence and not unilaterally. /e) No error

**Directions (Q.116-120):** Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

116. The business management institute focuses on a well-rounded development, \_\_\_ that it believes cannot be \_\_\_ without public engagement.  
 (a) anything, stopped (b) everything, possessed  
 (c) nothing, conveyed (d) all things, criticized  
 (e) something, nurtured
117. The disproportionate \_\_\_ by the Indian forces against firing by the Pakistani forces has shown that Narendra Modi regime will not take truce \_\_\_ lightly.  
 (a) revolution, breach (b) attack, contravention  
 (c) ambush, offence (d) retaliation, violations  
 (e) counter, infringement
118. You never realise that even the most nutritious diet cannot give you the \_\_\_\_\_ results if your digestive system is not fit enough to digest or absorb its nutrients \_\_\_\_\_.  
 (a) aspired, competently (b) desired, efficiently  
 (c) considerate, dexterously (d) wished, comfortably  
 (e) longed, freely
119. It is the old story of an anatomy professor in a medical college asking his students a trick question: which part of the human body can expand \_\_\_ times its size \_\_\_ excitement?  
 (a) most, in (b) many, of (c) several, under  
 (d) numerous, for (e) single, while
120. When the CAG offered different figures of \_\_\_ loss in 2G spectrum everybody, from Modi to the media, \_\_\_\_\_ for the highest amount.  
 (a) notional, jumped (b) national, dived  
 (c) conceptual, bounced (d) fabulous, plummeted  
 (e) hypothetical, upsurged

**Directions (121-125):** In the following questions, a sentence has been given with some of its parts in bold. To make the sentence grammatically correct, you have to replace the bold part with the correct alternative given below. If the sentence is correct as it is, give e) as your answer (i.e. No correction required).

121. One must **obey to his parents**.  
 (a) obey his parents (b) obey to one's parent  
 (c) obey his parent (d) obey one's parents (e) No correction required
122. The roads of Chennai **are cleaner than Kolkata**.  
 (a) is cleaner than Kolkata  
 (b) are cleaner than that of Kolkata  
 (c) are cleaner than those of Kolkata  
 (d) more clean than that of Kolkata  
 (e) No correction required
123. He is one of the **best boy of class**.  
 (a) best boys of the class (b) best boy of the class  
 (c) best boy among the class  
 (d) best boys among the class  
 (e) No correction required
124. Taxi aggregator Ola is **all set to get into** logistic services.  
 (a) set to get into all (b) set to all get into

- (c) get into all set to  
 (d) get into set to all (e) No correction required

125. Global stock markets took a hammering after Greece shuttered **their bank for the week** and imposed limits on cash withdrawals.  
 (a) their banks the weak (b) its banks for the week  
 (c) its banking for the weeks  
 (d) their bank for the weekend  
 (e) No correction required

**Directions (126-130):** Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- (A) The reasons for the nationalization of the industry are concerned mostly with the unethical practices adopted by some of the players against the interest of the insurance consumers.  
 (B) The Indian insurance Industry is as old as it is in any other part of the world.  
 (C) Along with these achievements there, however, also grew a feeling of insensitivity to the needs of the market which probably led to a feeling amongst the public that the insurance industry was not fully responsive to customer needs.  
 (D) The first insurance company in India was started in 1818 in Kolkata.  
 (E) Nationalisation has lent the industry solidity, growth and outreach, which is unparalleled.  
 (F) We had a number of foreign and Indian insurance companies operating in the Indian Market till the nationalization of the industry took place.
126. Which of the following should be the **FIRST** sentence after rearrangement?  
 (a) A (b) B (c) C (d) D (e) E
127. Which of the following should be the **SECOND** sentence after rearrangement?  
 (a) B (b) C (c) D (d) E (e) F
128. Which of the following should be the **THIRD** sentence after rearrangement?  
 (a) C (b) D (c) E (d) F (e) A
129. Which of the following should be the **FOURTH** sentence after rearrangement?  
 (a) D (b) E (c) F (d) A (e) B
130. Which of the following should be the **LAST (SIXTH)** sentence after rearrangement?  
 (a) E (b) F (c) A (d) B (e) C

**Directions (131-140):** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningful.

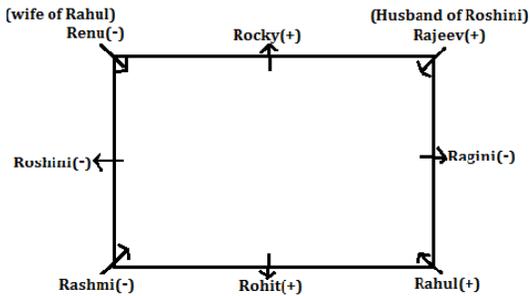
Energy growth is directly **(131)** to well-being and prosperity across the globe. **(132)** the growing demand for energy in a safe and environmentally responsible **(133)** is a key challenge for all economies. The increasing demand for power has led to a corresponding increase in usage of fossil fuels which has had an adverse impact on environment. In this context, **(134)** use of energy

along with (135) renewable sources of energy is of paramount importance. This is true for both (136) industries and small and medium enterprises as well as the commercial and residential sectors. It has now been (137) globally that one of the most important (138) facing the governments and business (139) and the world over is to find cost-effective (140) solutions to their ever-increasing energy needs.

- 131. (a) proportional (b) allied (c) joined  
(d) linked (e) associated
- 132. (a) encountering (b) cutting (c) meeting  
(d) curtailing (e) justifying
- 133. (a) method (b) form (c) way  
(d) style (e) manner
- 134. (a) efficient (b) adequate (c) dynamic  
(d) decisive (e) potent
- 135. (a) practicing (b) using (c) applying  
(d) giving (e) gaining
- 136. (a) extensive (b) limited (c) minor  
(d) large (e) broad
- 137. (a) authorized (b) credited (c) accepted  
(d) popular (e) confirmed
- 138. (a) challenges (b) project (c) protest  
(d) threat (e) confrontation
- 139. (a) populace (b) company (c) association  
(d) centre (e) community
- 140. (a) probable (b) sustainable (c) brief  
(d) continual (e) worthwhile

**SOLUTIONS:**

**Direction(1-5):**



- 1. (e)
- 2. (c)
- 3. (c)
- 4. (a)
- 5. (b)

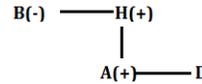
**Direction(6-10):**

- Proper – po
- Practice – do
- Gives – la
- Base – pu
- Class – mu
- Result – ha
- Is/excellent – mo/lu
- Revision – du
- Before/exam – ma/ha

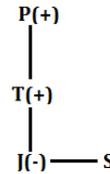
- 6. (c)
- 7. (c)
- 8. (a)
- 9. (b)
- 10. (a)

**Direction(11-15)**

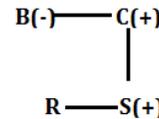
- 11. (b)



- 12. (d)



- 13. (a)



- 14. (b) T>P>S>Q>R

- 15. (d) Payal>Gunjan>Ritu>Kavita>Aditi

or  
Gunjan>Ritu>Payal>Kavita>Aditi

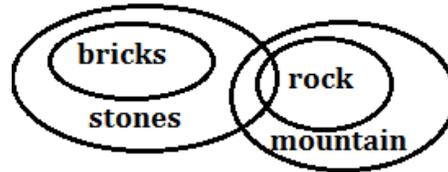
**Direction(16-20):**

Person	Profession	Floor
Akshay	Doctor	6
Shahrukh/Arjun	Engineer	5
Tiger	Journalist	4
Varun	Lawyer	3
Ranveer	Architect	2
Arjun/Shahrukh	Teacher	1

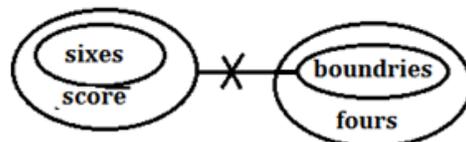
- 16. (b)
- 17. (b)
- 18. (c)
- 19. (a)
- 20. (d)

**Direction(21-25)**

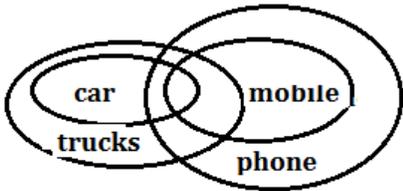
- 21. (b)



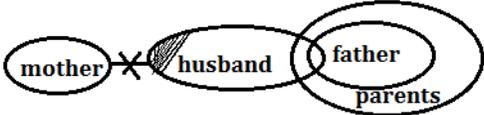
- 22. (a)



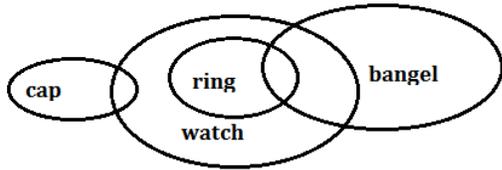
23. (b)



24. (e)



25. (a)



**Direction(26-30):**

26. (c) Code for 'pa' is me. Either statement I or II is sufficient.  
 27. (d) From both statements, relation between seema and mangesh cannot be determined.  
 28. (a) Only statement I is sufficient.  
 29. (e) From both statements, we can find that S is lowest.  
 30. (e) A runs fastest. Both I and II are necessary to answer the question.

**Direction(31-35):**

Person	Off	Cuisine
Meena	Monday	Mexican
Maya	Thursday	Thai
Monika	Wednesday	Chinese
Monalisha	Friday	Italian
Mamta	Saturday	Indian
Meenakshi	Sunday	Continental
Madhuri	Tuesday	Spanish

31. (e) 32. (d) 33. (c) 34. (a) 35. (b)

**Direction (36-40):**

36. (c)  $V > S$   
 37. (a)  $A \geq D$   
 38. (c)  $R \geq G = Q \geq F$   
 39. (c)  $P < N \leq M \leq L$   
 40. (b)  $K < H$   
 41. d 42. b 43. a 44. c 45. a 46. d 47. c  
 48. c 49. a 50. c  
 51. (e);  $\frac{31400}{628} = 50$   
 52. (a);  $\frac{19}{9} \times \frac{27}{7} - \frac{18}{7} = \frac{57-18}{7} = \frac{39}{7} = 5\frac{4}{7}$   
 53. (d);  $\sqrt{1820 + \sqrt{835 + \sqrt{36}}} = \sqrt{1820 + 29} = \sqrt{1849} = 43$   
 54. (e);  $\frac{x}{100} \times 1662 = 1416 - 585$   
 $x = 50$

55. (b);  $15\sqrt{x} = 540$

$$\sqrt{x} = 36$$

$$x = 1296$$

56. (a);  $x = 1560 - 899.1$

$$x = 660.9$$

57. (c);  $x = 30$

58. (b);  $\frac{37^3 + 33^3}{37^2 + 33^2 - 37 \times 33} = \frac{(37+33)(37^2 + 33^2 - 37 \times 33)}{(37^2 + 33^2 - 37 \times 33)} = (37 + 33) = 70$

59. (c);  $\frac{27-18}{44-33} = \frac{9}{11}$

60. (e);  $13.5 + 23.4 = 36.9$

61. (e); Let No. be x and y.

$$x^2 + y^2 = 100 \quad \dots (a)$$

$$x^2 - y^2 = 28 \quad \dots (b)$$

From (a)  $\times$  eq (b)

$$2x^2 = 128$$

$$x^2 = 64$$

$$x = 8$$

$$\therefore y^2 = 36$$

$$y = 6$$

$$\therefore \text{sum of the numbers} = 8 + 6 = 14$$

62. (d); Let No be 5x and 7x

$$\frac{5x-40}{7x-40} = \frac{17}{27}$$

$$135x - 40 \times 27 = 119x - 40 \times 17$$

$$16x = 40(27 - 17)$$

$$16x = 40 \times 10$$

$$x = 25$$

$$\text{Difference} = 7x - 5x = 2x = 50$$

63. (b); Rate of interest =  $\frac{242-220}{220} \times 100 = \frac{22}{220} \times 100 = 10\%$

64. (b); Let width = x

$$\therefore \text{Hight} = 6x$$

$$\text{And, length} = 7 \times 6x = 42x$$

$$\therefore \text{Volume} = x \times 6x \times 42 \times x$$

$$16128 = 6 \times 42 \times x^3$$

$$x^3 = 64$$

$$x = 4$$

65. (a);  $A + B = \frac{1}{8}$

$$B + C = \frac{1}{12}$$

$$A + B + C = \frac{1}{6}$$

$$\therefore (A + B) + (B + C) + (C + A) = \frac{1}{3}$$

$$C + A = \frac{1}{3} - \frac{1}{8} - \frac{1}{12}$$

$$= \frac{8-3-2}{24} = \frac{3}{24}$$

$$C + A = \frac{1}{8}$$

Required No of days = 8

66. (b); Ratio of their liquids = 4 : 3 : 2

$$\text{Ratio of their time} = \frac{1}{4} : \frac{1}{3} : \frac{1}{2} = 3 : 4 : 6$$

67. (c); average speed =  $\frac{2xy}{x+y} = \frac{2 \times 30 \times 70}{100} = 42 \text{ km/hr}$

$$\therefore \text{distance} = 42 \times 10 = 420 \text{ km}$$

68. (d);  $\frac{25}{100} \times x = \frac{25}{2} \times \frac{1}{100} \times 180 \Rightarrow x = 90 \text{ Rs.}$

69. (a); Let share of A =  $\frac{x}{2}$

- $\therefore x + \frac{1}{2}x = 5625$   
 $x = 3750$   
 $\therefore$  A's share = 1875  
 Let B's share =  $\frac{y}{4}$   
 $\therefore \frac{y}{4} + y = 5625$   
 $y = 4500$   
 B's share = 1125  
 $\therefore$  Required money =  $1875 - 1125 = 750$  Rs.
- 70. (c);** Average speed =  $\frac{2xy}{x+y} = \frac{2 \times 6 \times 3}{9} = 4$  km/hr
- 71. (b);** downstream speed  $(x+y) = \frac{10}{2} = 5$  km/hr  
 Upstream speed  $(x-y) = \frac{10}{5} = 2$  km/hr  
 $\therefore$  speed of boat in still water  $(x)$   
 $= \frac{5+2}{2} = 3.5$  km/hr
- 72. (a);** Let sum = x Rs  
 $50 = \frac{x \times 5 \times 2}{100}$   
 $x = 500$  Rs.  
 C.I. =  $500 \left(1 + \frac{5}{100}\right)^2 - 500 = 51.25$
- 73. (d);** Let Initially radius = r  
 $\therefore$  diameter =  $2r$   
 $\therefore$  New radius =  $\frac{2r+3}{2}$   
 $\therefore$  New circumference =  $2 \times \pi \times \frac{2r+3}{2} = \pi(2r+3)$   
 $\therefore$  Required Ratio  $\frac{2r+3}{2} : \pi(2r+3) = 1 : 2\pi$
- 74. (a);** Let, length = x  
 breadth = y  
 $\therefore x+y = \frac{160}{2}$   
 $x+y = 80$  ... (a)  
 and  $x-y = 48$  ... (b)  
 From eq<sup>n</sup> (a) and eq<sup>n</sup> (b)  
 $x = \frac{128}{2} = 64$   
 and  $y = 16$   
 $\therefore$  Area of square = Area of rectangle  
 $(\text{edge})^2 = 16 \times 64$   
 Edge =  $4 \times 8$   
 Edge of square = 32 m
- 75. (b);** Let Altitude = x  
 $\therefore \frac{1}{2} \times h \times 12 = 12 \times 12$   
 $h = 24$  cm
- 76. (a);** let required income = x Rs  
 $\therefore 20 = \frac{x-200}{200} \times 100$   
 $x-200 = 40$   
 $x = 240$  crore
- 77. (c);** Let Required expenditure = x Rs.  
 $60 = \frac{(600-x)}{x} \times 100$   
 $60x = 60000 - 100x$   
 $160x = 60000$   
 $x = 375$  crore
- 78. (e);** Since there is no relation b/w profits, incomes or expenditures of both of the given year so we can't determine the profit of B in 2009
- 79. (b);** Let the expenditure of A and B be x and y.  
 $135x = 130y$   
 $\frac{x}{y} = \frac{130}{135}$   
 $x : y = 26 : 27$
- 80. (e);** Required % =  $\frac{50-20}{20} \times 100 = 150\%$
- 81. (b);** Required % =  $\frac{(140-100)}{100} \times 100 = 40\%$  more
- 82. (c);** Required % =  $\frac{4940}{5620} \times 100 = 87.9\%$
- 83. (b);** Clearly MS Dhoni scored more runs in ODI than that of Yuvraj Singh.
- 84. (d);** Average score =  $\frac{4940}{6} = 823.33$
- 85. (b);** Required % =  $\frac{2600-2640}{2640} \times 100 = 1.515\%$  (less)
- 86. (a);**  $x = 1.67$   
 $y = -0.87$   
 $\therefore x > y$
- 87. (a);**  $x_1 = \frac{13}{7}, x_2 = \frac{17}{8}$   
 $y_1 = \frac{22}{13}, y_2 = \frac{23}{17}$   
 $\therefore x > y$
- 88. (a);**  $x_1 = \frac{21}{3} = 7, x_2 = \frac{19}{3}$   
 $y_1 = +6, y_2 = \frac{-9}{7}$   
 $\therefore x > y$
- 89. (b);**  $x = 67$   
 $y = \pm 67$   
 $\therefore x \geq y$
- 90. (e);**  $x_1 = -1, x_2 = \frac{-8}{7}$   
 $y_1 = -5, y_2 = \frac{-3}{5}$   
 $\therefore$  No relation can't be established.
- 91. (d);**  $19 + (2^2 + 2) = 25$   
 $25 + (4^2 + 4) = 45$   
 $45 + (6^2 + 6) = 87$   
 $87 + (8^2 + 8) = 159$   
 $159 + (10^2 + 10) = 269$
- 92. (e);**  $(+41), (+41 \times 2), (+41 \times 4), (+41 \times 8)$   
 $\therefore 698 + 41 \times 16 = 498 + 656 = 1354$
- 93. (d);**

15	21	39	77	143	245
6	18	38	66	102	
	12	20	28	36	
- 94. (a);**  $+6, +6 \times 3, +6 \times 5, +6 \times 7$   
 $\therefore 129 + 6 \times 9 = 129 + 54 = 183$
- 95. (a);**  $+2^2, +4^3, +6^2, +8^3$   
 $\therefore 631 + 10^2 = 731$
- 96. (e);**  $6095 + 1320 = 7415$
- 97. (c);**  $256 + 41 - 58 = 239$
- 98. (c);**  $\approx \frac{58.7 \times 46}{33.3} \times 10 \approx 810$
- 99. (d);**  $\approx 226 + 259 + 275 - 420 - 23 = 760 - 443$

- = 317
100. (d);  $109.62 + 247.5 = 357.12 \approx 358$
101. (c); The third paragraph of the passage says: "The basic objectives of Rural Development Programmes have been alleviation of poverty and unemployment through creation of basic social and economic infrastructure, provision of training to rural unemployed you." Hence, (c) is the correct option.
102. (a); **Alleviation** means to make (pain, for example) less intense or more bearable. So, mitigation is the word which is similar in meaning to it.
103. (d); **Propagation** means the process of spreading to a larger area or greater number. So, underdevelopment is the word which is opposite in meaning to it.
104. (c); The first paragraph of the passage says: "People's participation is one of the foremost prerequisites of development process both from procedural and philosophical perspectives." Hence, (c) is the correct option.
105. (d); The passage says "Though the 11th Plan began in very favourable circumstances with the economy having grown at the rate of 7.7% per year in the 10th Plan period, there still existed a big challenge to correct the developmental imbalances and to accord due priority to development in rural areas." So, only (B) option is true.
106. (a); **Touchstone** means an excellent quality or example that is used to test the excellence or genuineness of others. So, yardstick is the word which is similar in meaning to it.
107. (e); The passage says "There is no industry-linkage machinery to create demand-based-technology market for rural communities. Besides, there is also an imbalance between strategies and effective management programmes. Propagation of technology/schemes for rural development is slow and there is a lacking in wider participation of different stakeholders." So, all the given options are true.
108. (c); 'Rural Development—The Participative Way' is the most appropriate title of the passage.
109. (d); The last paragraph of the passage says: "there still remains much more to be done to bring prosperity in the lives of the people in rural areas. At present, technology dissemination is uneven and slow in the rural areas. Good efforts of organisations developing technologies, devices and products for rural areas could not yield high success." So, all the given options are true.
110. (b); **Equitable** means fair and impartial. So, unfair is the word which is opposite in meaning to it.
111. (a); Replace 'among' with 'between'
112. (a); Replace 'poor' with 'poorer'
113. (e); No error.
114. (d); Replace 'improved' with 'improving'
115. (c); Replace 'done' with 'taken'
116. (e); 'something, nurtured' is the correct use.  
**Nurtured**- to help or encourage the development of.
117. (d); 'retaliation, violations' is the correct use.  
**Retaliation**- action taken in return for an injury or offense.  
**Violation**- the action of violating someone or something.
118. (b); 'desired, efficiently' is the correct use.  
**Desired**- strongly wish for or want (something).  
**Efficiently**- performing or functioning in the best possible manner.
119. (c); 'several, under' is the correct use.
120. (a); 'notional, jumped' is the correct use.  
**Notional**- existing as or based on a suggestion, estimate, or theory.
121. (d); Replace 'obey to his parents' with 'obey one's parents'.
122. (c); Replace 'are cleaner than Kolkata' with 'are cleaner than those of Kolkata'.
123. (a); Replace 'boy of class' with 'best boys of the class'.
124. (e); No correction required.
125. (b); Replace 'their bank for the week' with 'its banks for the week'.
- For questions (126-130);** The correct sequence to form meaningful paragraph is **BDAEC**.
126. (b); B
127. (c); D
128. (d); F
129. (d); A
130. (e); C
131. (d) 132. (c) 133. (e) 134. (a) 135. (b) 136. (d) 137. (c)
138. (a) 139. (e) 140. (b)

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# SBI PO MAINS : PRACTICE SET

## REASONING ABILITY & COMPUTER APTITUDE

**Direction (1-5):** Read the following information carefully and answer the questions that follow.

Ten persons are sitting in two parallel rows containing five persons each. In row 1, A, B, C, D and E are sitting and all of them are facing south. In row 2, P, Q, R, S and T are sitting and all of them are facing north. In the given seating arrangement, each member seated in a row faces another member of the other row. Moreover, each of them belongs to different countries — Australia, Brazil, Bulgaria, Belgium, Japan, India, Romania, Indonesia, Iran and Russia but not necessarily in the same order. There are only two persons sitting between the Australian, who sits at an extreme end, and E. P, who sits in the middle of the row, is not an immediate neighbour of Q, who is not a Russian.

T is sitting at an extreme end. E, a Japanese, sits on the immediate right of the person from Brazil and faces the immediate neighbour of Q. B is not sitting at the extreme left end. P is not from Iran.

There is only one person between C and D, who is from Australia. S, an Indian, is an immediate neighbour of the Russian and does not face the person from Bulgaria.

R, who is from Belgium, is an immediate neighbour of the person from Iran, who faces the immediate neighbour of the Japanese. There are two persons between the Romanian and the Bulgarian.

B is not from Romania. T is not from Indonesia

- A belongs to which of the following countries?  
a) Indonesia b) Romania c) Bulgaria  
d) None of these e) Can't be determined
- Who is from Indonesia?  
a) R b) B c) T  
d) P e) Can't be determined
- 'Australia' is related to 'Romania' in a certain way, based on their seating positions. Then Russia is related to whom, following the same seating positions?  
a) Indonesia b) Iran c) Brazil  
d) India e) Belgium
- Four of the following five are alike in a certain way based on their seating positions and so form a group. Which of the following is different from the group?  
a) Japan b) Romania c) Russia  
d) Belgium e) India
- Which of the following statements is/are definitely false?  
a) B is from Bulgaria.  
b) There are two persons sitting between the Indian and the person from Iran.  
c) The Brazilian faces the person from Indonesia.  
d) The person who is from Iran sits opposite the Australian.  
e) All are true

**Direction (6-10):** In this question four statements are given followed by five conclusions, one of which definitely does not logically follow (or is not a possibility of occurrence) from the given statements. That conclusion is your answer.

**(Note :** You have to take the four given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusion logically does not follow from the given statements disregarding commonly known facts.)

- Statement :**  
No dolly is a dog. All dheeraj are dimple.  
All don are dog. All dog are deepiti.  
**Conclusions:**  
a) All deepiti are dolly.  
b) Some dimple are dheeraj.  
c) All dheeraj being deepiti is a possibility.  
d) All don are deepiti. e) None of these.
- Statement :**  
Some aniket are ankit. All ankit are anirudh.  
All anirudh are amitabh. No amitabh is a abhishek.  
**Conclusion:**  
a) All abhishek being aniket is a possibility.  
b) No abhishek is an anirudh.  
c) All aniket being abhishek is a possibility.  
d) All ankit are amitabh.  
e) No ankit is a abhishek.
- Statement :**  
All meena are maya. All madhu are meena.  
All mayank are madhu. No maya is a monty.  
**Conclusion:**  
a) No meena is a monty. b) All mayank are maya.  
c) No madhu is a monty.  
d) All monty being mayank is a possibility.  
e) At least some maya are madhu.
- Statement :**  
Some neeraj are nitin. All neeraj are neha.  
All nitin are nancy. No nancy is a neetu.  
**Conclusion:**  
a) All neetu being neha is a possibility.  
b) No neha is a nitin. c) No neetu is a nitin.  
d) At least some neeraj are nancy.  
e) At least some neha are nancy.
- Statement :**  
All swati are sangita. All sangita are sakshi.  
No sakshi is sweta. No sweta is a shalini.  
**Conclusion:**  
a) At least some swati are sweta.

- 2) All shalini being swati is a possibility.
- c) All sakshi being shalini is a possibility.
- d) At least some sakshi are swati.
- e) No sweta is a sangita.

**Direction (11-15):** In each question below is given a statement followed by three assumptions numbered I, II and III. You have to consider the statement and the following assumptions, decide which of the assumptions is implicit in the statement and choose your answer accordingly.

**11. Statement :**

“If you are intelligent, we are the right people for improving your performance.” – An advertisement of a coaching institute.

**Assumptions :**

- I. Brilliant students prefer to join coaching classes.
- II. Coaching classes help the students to improve their performance.
- III. No other institute provides such coaching.

- (a) Only I and II are implicit
- (b) Only II and III are implicit
- (c) Only I and III are implicit
- (d) All are implicit
- (e) None of these

**12. Statement :** India’s economic growth has come at a terrible price of increased industrial and vehicular pollution.

- Assumptions:** I. Pollution is a part of industrial society.  
 II. India economic growth is based on only industrial growth.  
 III. A country desires economic growth with manageable side effects.

- (a) Only I is implicit
- (b) Only II is implicit
- (c) Only III is implicit
- (d) Only I and III are implicit
- (e) None of these

**13. Statement :** Bill Clinton is the second democrat to be re-elected as President of America, the other being the legendary Roosevelt.

- Assumptions :** I. Clinton has the same qualities that Roosevelt had.  
 II. The majority of people in America have faith in Clinton.  
 III. The election campaign of Clinton’s rivals was not impressive.

- (a) Only I is implicit
- (b) Only II is implicit
- (c) Only III is implicit
- (d) Either I or III is implicit
- (e) Either II or III is implicit

**14. Statement :** “Use Riya cold cream for fair complexion.” – An advertisement.

**Assumptions :**

- I. People like to use cream for fair complexion.
- II. People are easily fooled.
- III. People respond to advertisements.

- (a) Only I is implicit
- (b) Only I and II are implicit
- (c) Only II is implicit
- (d) Only I and III are implicit
- (e) None of these

**15. Statement :** ‘Several labour and industrial courts in this State have no proper premises. Vacancies of judges and stenographers are kept pending.’ – A statement of a retired judge of State X.

- Assumptions :** I. Adequate number of staff and judges helps in the smooth functioning of the industrial and labour courts.  
 II. The state is not bothered about the condition of the labour and industrial courts.  
 III. Physical facilities of an office help in increasing efficiency of its employees.

- (a) Only I and III are implicit
- (b) Only II is implicit
- (c) Only II and III are implicit
- (d) All I, II and III are implicit
- (e) None of these

**Direction (16-20):** Read the following information carefully and then answer the questions given below it:

(i) Six friends Ashok, Nishikant, Chandra Shekhar, Pranab Sinha, Sunil Jha and Digvijay Pathak work in different companies, namely 'Tisco', 'Telco', 'Wipro', 'HCL', 'Mecon' and 'Usha Martin'. Each one reads a different newspaper, i.e., The Economic Times, The Times of India, The Hindu, The Hindustan Times, The Indian Express and The Pioneer, though not necessarily in the order.

(ii) The one reading the Pioneer works in 'HCL' and the one reading The Times of India works in 'Tisco'.

(iii) Sunil Jha does not work in 'Wipro' or 'Mecon'.

(iv) Ashok, who works in Telco, reads The Hindu.

(v) Digvijay Pathak does not work in 'Mecon' and the one who works in 'Wipro' does not read The Hindustan Times.

(vi) Nishikant Works in 'Usha Martin'.

(vii) Neither Digvijay Pathak nor Pranab sinha works in 'HCL'.

(viii) The one who works in 'Mecon' reads neither 'The Hindustan Times' nor 'The Indian Express'.

(ix) Chandra Shekhar works in 'Tisco'.

**16.** The man who works in 'Wipro', reads

- (a) Cannot be determined
- (b) The Pioneer
- (c) The Hindustan Times
- (d) The Economic Times
- (e) None of these

**17.** Which of the following 'newspaper-company-person' combination is correct?

- (a) Digvijay Pathak-Wipro-The Indian Express
- (b) Pranab Sinha-Tisco-The Economic Times
- (c) Nishikant-Usha Martin-The Hindu
- (d) Sunil Jha-HCL-The Times of India
- (e) None of the above

**18.** Which of the following is true?

- (a) Sunil Jha works in Mecon
- (b) Pranab Sinha works in Tisco
- (c) Nishikant reads the Hindustan Times
- (d) Ashok reads The Times of India
- (e) None of the above

**19.** Which of the following sequences of companies represents Digvijay Pathak, Nishikant, Chandra Shekhar, Ashok, Pranab Sinha and Sunil Jha in the same order?

- (a) Wipro, HCL, Telco, Tisco, Mecon, Usha Martin.  
 (b) Wipro, Usha Martin, Telco, Tisco, Mecon, HCL.  
 (c) Usha Martin, Wipro, Tisco, Telco, HCL, Mecon  
 (d) Wipro, Usha Martin, Telco, HCL, Tisco, Mecon  
 (e) None of the above

20. Who reads The Economic Times?

- (a) Sunil Jha (b) Pranab Sinha  
 (c) Nishikant  
 (d) Can't be determined (e) None of these

**Direction (21-25) :** Study the given information and answer the following questions.

A word and number arrangement machine when given an input line of words and numbers rearranges them following particular rule. The following is an illustration of input and its rearrangement:

**Input: economy on 16 is cool hot begin 14 but new again 24**

**Step I:** begin 14 economy on 16 is cool hot but new again 24

**Step II:** begin 14 again 24 economy on 16 is cool hot but new

**Step III:** begin 14 again 24 on 16 economy is cool hot but new

**Step IV:** begin 14 again 24 on 16 economy cool is hot but new

**Step V:** begin 14 again 24 on 16 economy cool new is hot but

**Step VI:** begin 14 again 24 on 16 economy cool new hot is but

**Step VII:** begin 14 again 24 on 16 economy cool new hot but is

**Step VIII:** begin 14 again 24 on 16 5 3 14 8 2 9

Step VIII is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the following input:

**Input: garden heat 36 in 28 below normal in 23 over**

21. Which of the following would be the last step of the arrangement?  
 a) in 23 heat 36 in 28 normal garden below over  
 b) in 23 heat 36 in 28 14 7 2 15  
 c) in 36 heat 28 in 23 14 7 2 15  
 d) in 23 heat 36 in 28 7 14 15 2  
 e) None of these
22. Which step number will be the following output?  
 " in 23 heat 36 in 28 garden below normal over"  
 a) Step III (b) Step IV (c) Step VI  
 d) Step V (e) There will be no such step
23. In Step IV which of the following words/numbers would be at 4th position from the right?  
 a) over (b) 36 (c) below  
 d) normal (e) None of these
24. Which of the following steps will be the last but one step of the rearrangement?  
 a) Step IV (b) Step V (c) Step VI  
 d) Step VII (e) None of these
25. In Step III if 'in' is related to '28', '23' is related to 'garden' and 'heat' is related to 'below' in a certain way, which of the following would '36' be related to in the same pattern?  
 a) in (b) normal (c) over  
 d) 23 (e) None of these

**Direction (26-30):** In each of the following questions, two statements numbered I and II are given. There may be cause and effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements in each question and mark your answer as

- (a) if statements I is the cause and statement II is its effect;  
 (b) if statements II is the cause and statement I is its effect;  
 (c) if both the statements I and II are independent causes;  
 (d) if both the statements I and II are effects of independent causes;  
 (e) if both the statements I and II are effects of some common cause.

26. I. All the schools in the area had to be kept closed for most part of the week.

II. Many parents have withdrawn their children from the local schools.

27. I. There has been a high increase in the incidents of atrocities against women in the city during the past few months.

II. The police authority has been unable to nab the culprits who are committing crime against women.

28. I. The prices of petrol and diesel in the domestic market have remained unchanged for the past few months.

II. The crude oil prices in the international market have gone up substantially in the last few months.

29. I. The local co-operative credit society has decided to stop giving loans to farmers with immediate effect.

II. A large number of credit society members have withdrawn major part of their deposits from the credit society.

30. I. The Government has imported large quantities of sugar as per trade agreement with other countries.

II. The prices of sugar in the domestic market have fallen sharply in the recent months.

**Direction (31-35):** Study the following information and answer the questions given below.

Eight people Robert, Leonardo, Terry, James, Phil, Tom, Thomas and Patrick are sitting around a circular table facing the centre. Each of them is of a different profession Chartered Accountant, Columnist, Doctor, Engineer, Financial Analyst, Lawyer, Professor and Scientist but not necessarily in the same order. Leonardo is sitting second to the left of Tom. The Scientist is an immediate neighbour of Tom. There are only three people between the Scientist and Robert. Only one person sits between the Engineer and Robert. The Columnist is to the immediate right of the Engineer. Patrick is second to the right of Tom. James is the Scientist. Terry and Phil are immediate neighbours of each other. Neither Terry nor Phil is an Engineer. The Financial Analyst is to the immediate left of Leonardo. The Lawyer is second to the right of the Columnist. The Professor is an immediate neighbour of the Engineer. Terry is second to the right of the Chartered Accountant.

31. Who is sitting second to the right of Robert?  
 (a) The Lawyer (b) Terry (c) The Engineer  
 (d) Leonardo (e) Tom
32. Who amongst the following is the Professor?  
 (a) Leonardo (b) Thomas (c) Patrick  
 (d) Tom (e) Phil
33. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which of the following does not belong to that group?  
 (a) Chartered Accountant - James  
 (b) Patrick – Doctor (c) Phil - Engineer  
 (d) Financial Analyst – Thomas (e) Lawyer - Tom
34. What is the position of Thomas with respect to the Scientist?  
 (a) Third to the left (b) Second to the right  
 (c) Second to the left (d) Third to the right  
 (e) Immediate right
35. Which of the following statement is true according to the given arrangement?  
 (a) The Lawyer is second to the left of the Doctor  
 (b) Robert is an immediate neighbour of the Financial Analyst  
 (c) James sits exactly between Leonardo and the Financial Analyst  
 (d) Only four people sit between the Columnist and Leonardo  
 (e) All of the given statements are true
36. Word “AVI” is Abbreviation of?  
 (a) Audio Video Internet (b) Audio Video Interactive  
 (c) Audio Video Inter (d) Audio Video Interleave  
 (e) None of these.
37. Which of the following performs the task of performing arithmetical calculations and logical operations in a computer?  
 (a) Motherboard (b) Integrated Circuit  
 (c) Central Processing Unit (d) Arithmetic Logic Unit  
 (e) Control Unit
38. The process of loading the operating system in a computer is known as  
 (a) Installing (b) Downloading (c) Uploading  
 (d) Booting (e) None of the above
39. The main webpage of a website is also known as -  
 (a) Contents Page (b) Home Page (c) Introduction Page  
 (d) First Page (e) Icebreaker Page
40. 1 GB = ... ?  
 (a) 1024 bytes (b) 1024 kilo bytes  
 (c) 1024 mega bytes (d) 1024 tera bytes  
 (e) 1024 bits
41. Which of the following is the first ever supercomputer that was developed in India by the Indian scientists?  
 (a) PARAM 6000 (b) PARAM 7000 (c) PARAM 8000  
 (d) PARAM 1000 (e) PARAM 5000
42. Which of the following was used in first generation computers as processor?  
 (a) Magnetic Ink (b) Vacuum Tubes  
 (c) Integrated Circuits  
 (d) Microchips (e) None of the above
43. What is the second generation of the Web called?  
 (a) New web (b) Emerging space  
 (c) Second life (d) Web 2.0 (e) None of these
44. A device that connects to a network without the use of cables is said to be—  
 (a) distributed (b) open source (c) centralized  
 (d) wireless (e) None of these
45. If you wish to extend the length of the network without having the signal degrade, you would use a  
 (a) repeater (b) switch (c) gateway  
 (d) router (e) None of these

**MATHS**

**Directions (46–50):** Study the table and answer the given questions.

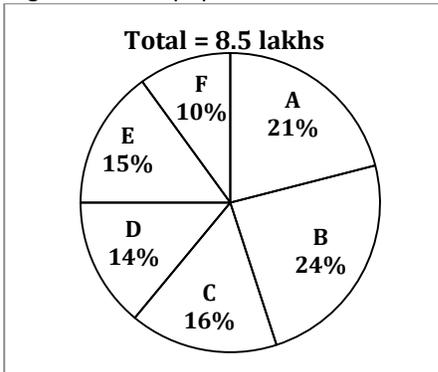
**Data related to human resource of a multinational company (X) which has 145 offices across 8 countries**

Countries	Offices	Total number of employees	Respective ratio of male and female employees	Percentage of post graduate employees
A	16	2568	5 : 7	75
B	18	2880	11 : 5	65
C	14	2310	10 : 11	40
D	22	3575	3 : 2	60
E	13	2054	7 : 6	50
F	17	2788	20 : 21	75
G	24	3720	8 : 7	55
H	21	3360	9 : 5	80

46. If the number of male post graduate employees in country H is 1800, what per cent of female employees in that particular country is post graduate?  
 (a) 76% (b) 74% (c) 72%  
 (d) 64% (e) 68%
47. In which of the given countries, is percentage of women employees to number of employees (both male and female) in that country is the second lowest?  
 (a) G (b) B (c) E  
 (d) H (e) D
48. What is the respective ratio between total number of male employees in countries B and H together and total number of female employees in countries C and D together?  
 (a) 63 : 52 (b) 51 : 38 (c) 77 : 64  
 (d) 69 : 44 (e) 57 : 40

49. What is the difference between average number of post graduate employees in countries A, B and D together and average number of post graduate employees in countries F, G and H together?  
 (a) 282 (b) 276 (c) 316  
 (d) 342 (e) 294
50. Which of the given countries has the highest number of average employees per office?  
 (a) F (b) H (c) B  
 (d) C (e) D

**Directions (51-55):** The following pie-chart shows the distribution of the total population of six cities and the table shows the percentage of adults in these cities and the ratio of males to females among these adult populations.



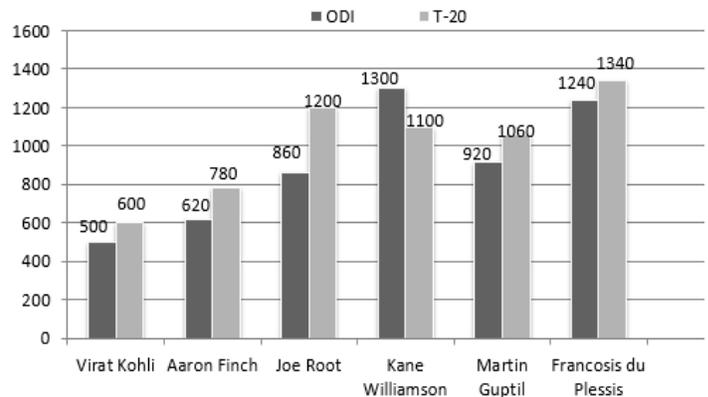
City	% Adult	Males : Females
A	72	7:5
B	65	8:5
C	75	3:2
D	80	9:7
E	70	4:3
F	60	7:5

51. The adults population of City D is approximately what per cent of the adult population of City A ?  
 (a) 74% (b) 70% (c) 76%  
 (d) 84% (e) 90 %
52. What is the difference between the total adult population of City C and the total population of City E?  
 (a) 26500 (b) 15000 (c) 25500  
 (d) 24500 (e) 35500
53. What is the difference between the adult male population of city B and the adult female population of City C ?  
 (a) 40500 (b) 30800 (c) 40600  
 (d) 40800 (e) 40900
54. The adult female population of City A is approximately what per cent of adult male population of city E?  
 (a) 104% (b) 103% (c) 102%  
 (d) 105% (e) 101%

55. The adult male population of City B is approximately what percentage more or less than its adult female population?  
 (a) 35% (b) 40% (c) 50%  
 (d) 55% (e) 60%

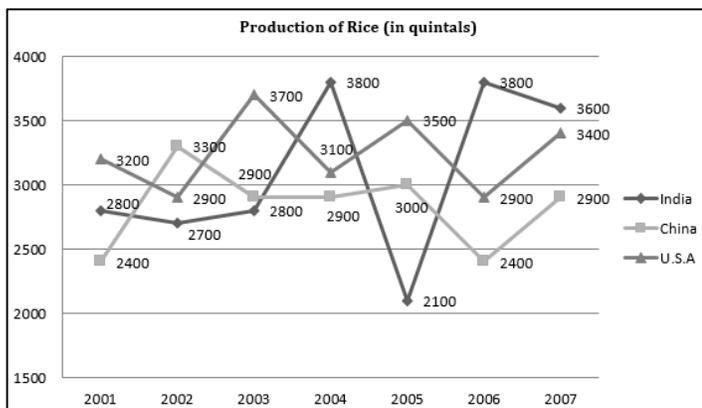
**Directions (56-60) :** Study the following graph carefully and answer accordingly.

**Scores made by different cricket players in ODI and T-20 in year 2011**



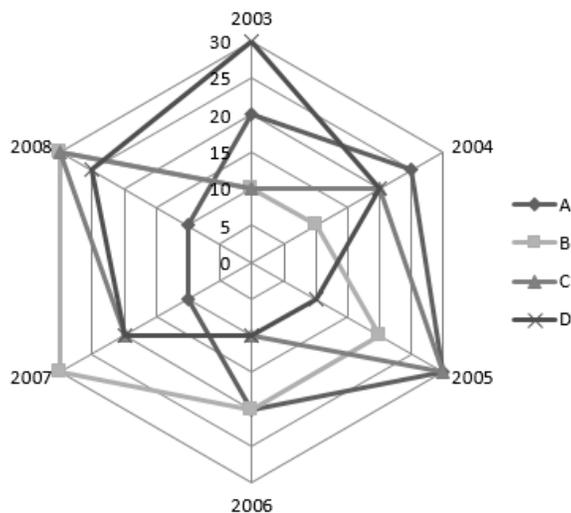
56. The difference of scores made by Joe Root in ODI and T-20 is what percentage more or less than the difference of scores made by Kane Williamson in ODI and T-20 is  
 (a) 70% less (b) 40% more (c) 70% more  
 (d) 80% less (e) None of these
57. Total scores made by all given players in ODI matches is approximately what percentage of total scores made by them in T-20?  
 (a) 95 % (b) 80 % (c) 105 %  
 (d) 90 % (e) 85 %
58. If Joe Root and Kane Williamson both played 25 ODI matches in this year, then average score of which player is better?  
 (a) Joe Root (b) Kane Williams  
 (c) Both have equal average  
 (d) Can't be determined (e) None of these
59. How many players in ODI made score higher than the average score made by all players shown in the graph?  
 (a) 1 (b) 2 (c) 3  
 (d) 4 (e) 5
60. Total score made by Virat Kohli, Joe Root and Martin Guptil in T-20 is what approximate percentage more/less by score made by Aaron Finch, Kane Williamson and Francois du Plessis in ODI matches?  
 (a) 15% more (b) 15% less (c) 20% more  
 (d) 10% more (e) 10% less

**Directions (61-65):** In the following multiple graphs production of rice (in quintals) by three countries – India, China and U.S.A has been given. Study the following graphs carefully to answer the questions.



61. If the production of rice by India in the years 2003, 2004, 2005 and 2007 increase by 30%, 40%, 45% and 40% respectively, what will be the overall approximate percentage increase in the production of rice in the state in the given years?  
 (a) 40% (b) 50% (c) 60% (d) 45% (e) 55%
62. What was the average production of rice by all three states in the year 2007? (in quintals)  
 (a) 3400 (b) 3300 (c) 3200  
 (d) 3100 (e) None of these
63. In the given years, what is the average production of rice in U.S.A? (in quintals)  
 (a)  $3242\frac{5}{7}$  (b)  $3242\frac{4}{7}$  (c)  $3242\frac{3}{7}$   
 (d)  $3242\frac{6}{7}$  (e) None of these
64. If the productions of rice in U.S.A in the years 2001, 2002, 2003 and 2004 increase by 20%, 25%, 28% and 35% respectively; what will be the approximate percentage increase in the average production of the countries for the given years?  
 (a) 22% (b) 25% (c) 27%  
 (d) 28% (e) 30%
65. By what per cent is the total production of rice by three countries in the years 2002, 2003, and 2004 more or less than that in the years 2005, 2006 and 2007?  
 (a) 2.5% (b) 2.6% (c) 2.9%  
 (d) 1.8% (e) None of these

**Directions (66-70) :** Following line graph shows the percentage increase in the salaries of four persons during the years 2003 to 2008 with respect to previous year.

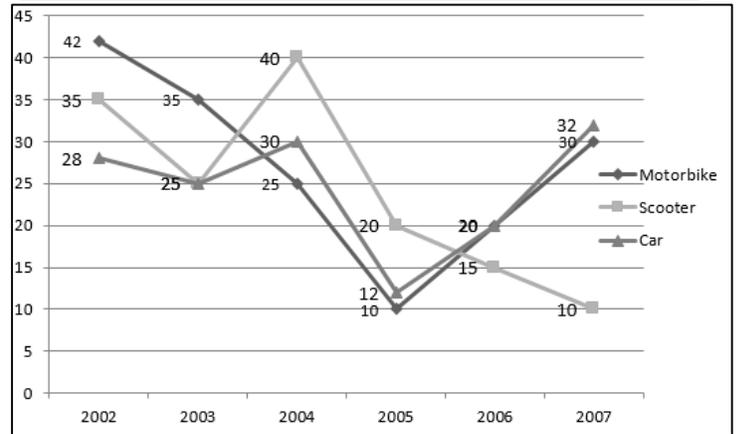
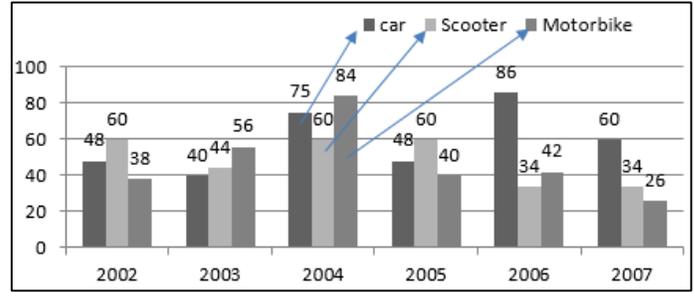
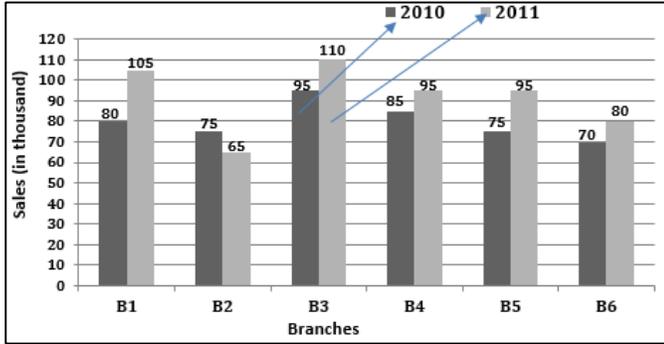


[Given that, increment in salary was implemented from January of every year]

66. If the ratio of the salaries of A and B at the end of the year 2002 was 3 : 4, then what was the ratio of their salaries at the end of the year 2008?  
 (a) 2 : 33 (b) 2 : 42 (c) 5 : 66  
 (d) 4 : 51 (e) 75 : 104
67. If the ratio of the salaries of A, B, C and D at the end of the year 2003 was 22 : 13 : 7 : 13, then what was the ratio of their salaries at the end of the year 2006?  
 (a) 20 : 12 : 7 : 11 (b) 25 : 12 : 7 : 11 (c) 25 : 12 : 7 : 13  
 (d) 25 : 7 : 12 : 11 (e) 25 : 7 : 11 : 12
68. If the salaries of B and C were equal at the end of the year 2004, then what was the ratio of the salaries of B and C at the end of the year 2005?  
 (a) 2 : 1 (b) 12 : 13 (c) 12 : 11  
 (d) 13 : 12 (e) 13 : 14
69. If the salary of A at the end of the year 2002 was Rs 20000, then what was his salary at the end of the year 2008?  
 (a) Rs 36628 (b) Rs 56628 (c) Rs 43000  
 (d) Rs 56826 (e) Rs 51268
70. Which of the following shows the approximate average percentage increase in the salary of B during the six years?  
 (a) 20% (b) 27.71% (c) 32.41%  
 (d) 49.07% (e) 41.32%

**Directions ( 71 – 75) :** The bar graph given below shows the sales of books (in thousand) from six branches of a publishing company during two consecutive years 2010 and 2011.

**Sales of books (in thousand) from six branches B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub>, B<sub>4</sub>, B<sub>5</sub>, B<sub>6</sub> of a publishing company in 2010 and 2011.**



71. What is the ratio of the total sales of branch B<sub>2</sub> for both years to the total sales of branch B<sub>4</sub> for both years?  
 (a) 2 : 3                      (b) 3 : 5                      (c) 4 : 5  
 (d) 7 : 9                      (e) None of these
72. Total sales of branch B<sub>6</sub> for both the years is what per cent of the total sales of branch B<sub>3</sub> for both years?  
 (a) 68.54%                      (b) 71.11%                      (c) 73.17%  
 (d) 75.55%                      (e) None of these
73. What per cent of the average sales of branches B<sub>1</sub>, B<sub>2</sub> and B<sub>3</sub> in 2011 is the average sales of branches B<sub>1</sub>, B<sub>3</sub> and B<sub>6</sub> in 2010?  
 (a) 75%                      (b) 77.5%                      (c) 82.5%  
 (d) 87.5%                      (e) None of these
74. What is the average sales of all the branches (in thousand) for the year 2010?  
 (a) 73                      (b) 80                      (c) 83  
 (d) 88                      (e) None of these
75. Total sales of branches B<sub>1</sub>, B<sub>3</sub> and B<sub>5</sub> together for both the years (in thousand) is  
 (a) 250                      (b) 310                      (c) 435  
 (d) 560                      (e) None of these

**Directions (76-80):** Read the following graph carefully and answer the questions given below.

**Production (in thousands) and percentage of export of scooters, motorbike and cars respectively over the years.**

76. What is the total number of automobiles exported in 2006?  
 (a) 30700                      (b) 31760                      (c) 29840  
 (d) 32620                      (e) None of these
77. The number of motorbike exported in 2004 is approximate what percent more than that in previous year?  
 (a) 16                      (b) 18                      (c) 12  
 (d) 7                      (e) 21
78. What is the average number of automobiles exported in 2002?  
 (a) 16250                      (b) 16800                      (c) 16580  
 (d) 16420                      (e) None of these
79. What is the respective ratio between the number of scooters exported in 2004 and that in 2005?  
 (a) 4 : 1                      (b) 3:1                      (c) 2:1  
 (d) 3:2                      (e) None of these
80. The number of cars exported in 2005 is **approximately** what percent that of exported in 2006?  
 (a) 38                      (b) 28                      (c) 23  
 (d) 42                      (e) 33

**English Language**

**Directions (81-90):** Read the following passage carefully and certain words in the passage are printed in bold letters to help you locate them easily while answering some of these questions.

The Ministry of Home Affairs recently posted the draft of a bill aimed at regulating the **acquisition** and use of geospatial information pertaining to India. In brief, the provisions of the draft Geospatial Information Regulation Bill, 2016, make it illegal to acquire and even maintain previously acquired Indian geospatial

data without applying for and receiving a licence from an authority that is to be created for this purpose. The remit of this authority, as per the draft, is, first, to conduct “sensitivity checks” on the geospatial information being used, and, second, to “screen” the “credentials” of both end users and end applications. Media reports have tended to focus on the aspect of the bill that talks about heavy penalties for misrepresenting the boundaries of India, but let us

instead focus on the important aspects that pertain to the data ecosystem. The bill, as written, raises some questions.

What happens if the data need an update? The draft bill's definition of geospatial information has a wide remit. It covers information that we think of as relatively stable but also talks about "graphical or digital data depicting... man-made physical features". Geospatial information, especially when so widely defined, keeps changing. In Delhi, for example, we see roads being modified, overpasses being constructed, temporary and permanent diversions being created almost on a daily basis. So, what happens when the data change?

Consider the illustrative, though not earthshakingly important, case of your favourite restaurant discovery app: will it have to apply for a new licence every time a new restaurant opens (or closes) in Hauz Khas Village? Effectively it will have to, since the draft bill proposes that only data that bear the watermark of the vetting authority be used for display. Changing the name of a restaurant in such data would amount to tampering with watermarked data. Not propagating updates till security clearance is released may affect the business model of businesses premised on providing up-to-date information. The bill promises a three-month turnaround on all clearances. This might not be quick enough, even if it was feasible, which leads us to the next question.

Do we have the bandwidth to handle all applications for this usage inside and outside India? It is hard to estimate how many different non-governmental services inside and outside India are currently using Indian geospatial data, but we can safely say that there are a large number with significant impact. Add to these all those 17-year-olds dreaming of start-up glory who are mashing Google maps into their soon-to-be-world-dominating app. A government regulator that is yet to be set up will need hundreds of experts who can **vet** terabytes of data from each applicant.

The logistics of getting these data across to the vetting authority alone boggles the mind, forget about the logistics of hiring and training these hundreds of experts. Unless this bill, on becoming an act, manages to single-handedly kill the innovation ecosystem that depends on geospatial data, the number of requests will keep going up. And all these people will be "**acquiring**" and wanting to propagate updates. Which further leads us to the next question.

Does every single end user of such data also need a licence? Large organisations like Google, which are acquiring and making geospatial data available through their application programming interfaces (APIs), are in some sense at the lowest level of an application stack which could potentially have several layers (and probably already has). Application A buys a service that uses geospatial data from application B that has in turn bought it from provider C who has licensed it from organisation D. Or, in a more complex turn of events, app A mashes up data from services B, C and D which in turn have bought their data from E, F and G and, guess what, F and G have some kind of data-sharing agreement. How will A get its data acquisition vetted?

The complexity of the ecosystem and the **trajectories** such data can take are only limited by the imagination of developers and service creators working on different kinds of problems in a host of different sectors. And, in fact, typically such complexity emerges

organically as different actors in the innovation ecosystem work to create new efficiencies or **leverage** existing ones, and so it is something to be encouraged. To satisfactorily "vet" the complex mishmashes of data that are bound to emerge over time will be a challenging task; in fact some of the questions raised in vetting involved data provenance patterns may almost be research-level questions. All this will further burden the vetting authority and stretch its capabilities.

- 81.** What is the main purpose of the author to write the above passage?
- To explain the important aspects that related to the complex network system.
  - To explain the disadvantages associated with the bill.
  - To describe the importance of the bill for internal security of the country.
  - To throw light on the penalty for misrepresenting the boundaries of India.
  - None of these
- 82.** Which of the following option(s) is/are TRUE according to the given passage?
- Geospatial Information Regulation Bill makes it illegal to access Indian geospatial data.
  - Nod from the government will be needed before updating graphical or digital data.
  - Geospatial information is quite passive.
- Only (i)
  - Only (ii)
  - Only (iii)
  - Both (i) and (ii)
  - Both (i) and (iii)
- 83.** Which of following option(s) is/are NOT TRUE according to the given passage?
- There are a large number of users of Indian geospatial data.
  - A regulating authority has been set up for issuing the licence for the usage of Indian geospatial data.
  - With the introduction of the new bill it will become difficult for various service providers to provide up-to-date information.
- Only (i)
  - Only (ii)
  - Both (i) and (ii)
  - All are true
  - None is true
- 84.** According to the given passage, what is the main provision of the Information Regulation Bill?
- It introduces heavy penalties for misrepresenting the boundaries of India.
  - It makes it difficult for foreign companies like Google to acquire Indian geospatial data.
  - It makes it mandatory to apply for and receive a licence from a proposed authority to acquire and even maintain Indian geospatial data.
  - Not given in the passage.
  - None of these.
- 85.** Which of the following option(s) are going to be burdensome for the scrutinizing authority?
- To satisfactorily examine the complex mess of data that is bound to emerge over time.
  - To clear the licence within three-months.
  - To estimate the number of non-governmental services inside and outside India is currently using Indian geospatial data.
  - Not given in the passage

(e) Other than those given in the options.

86. On the basis of your reading, suggest a suitable title for the passage.

- (a) Indian geospatial data (b) Licence Raj  
(c) Sensitivity Checks (d) Key to internal security  
(e) A licence to kill innovation

**Directions (87-88):** Choose the word/group of words which is MOST SIMILAR in meaning to the word/group of words printed in bold as used in the passage.

**87. LEVERAGE**

- (a) advantage (b) Blemish (c) Impairment  
(d) Decrepitude (e) Vulnerability

**88. TRAJECTORIES**

- (a) Blockage (b) Bar (c) Impasse  
(d) Clog (e) course

**Directions (89-90):** Choose the word/group of words which is MOST OPPOSITE in meaning to the word/group of words printed in bold as used in the passage.

**89. ACQUIRING**

- (a) Hustle (b) Corral (c) Forfeit  
(d) Win (e) Promote

**90. VET**

- (a) Canvass (b) Overlook (c) Praise  
(d) Assay (e) Approve

**Directions (91-100):** In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Some cause of delay in coming to economic decisions in our country seem to lie in the ...(91)... realm. There is such a thing as the psychology of power which motivates people power of control and patronage, power to delay and application, power to hold up a file, power to keep people ...(92)... in an anteroom, all of which are consciously or subconsciously treated as symbols of ...(93)... and hallmarks of importance.

A further psychological cause of ...(94)... is a combination of mistrust, of unwillingness to take responsibility, or a fear of being criticised and of possibly being subjected to enforcement investigation. A large number of ...(95)... which ought to be taken by civil servants and so taken in the old days, now go up to await the ...(96)... of the minister.

The minister, in turn, is ...(97)... to take the responsibility for fear of criticism from Parliament or from within his own party and seeks ...(98)... in a cabinet's decision.

The cabinet, split on ideological grounds and under political and other pressures, is reluctant to reach a decision, which is not ...(99)... . Thus, the various layers of economic decision-making in government-civil servants, ministers and cabinet as a whole-all exercise the happy ...(100)... of postponing a decision.

91. (a) scientific (b) financial (c) medical  
(d) Political (e) psychological

92. (a) wandering (b) resisting (c) gossiping  
(d) waiting (e) proud

93. (a) prestige (b) control (c) aggression

- (d) affection (e) proud  
94. (a) power (b) control (c) insecurity  
(d) politicians (e) delay

95. (a) decisions (b) assignments (c) undertakings  
(d) projects (e) justifications

96. (a) meeting (b) opinion (c) stamp  
(d) appreciation (e) approval

97. (a) unfortunate (b) uneasy (c) proposed  
(d) reluctant (e) pushed

98. (a) assistance (b) safety (c) proposed  
(d) autonomy (e) place

99. (a) comprehensive (b) beneficial (c) unanimous  
(d) profitable (e) successful

100. (a) facility (b) situation (c) trick  
(d) sanction (e) prerogative

**Directions (101-105):** Which of the phrases (a), (b), (c) and (d) given below should replace the phrase given in bold in the following sentences to make the sentence grammatically correct? If the sentence is correct as it is and there is no correction required mark (e) i.e. 'No correction required' as the answer.

101. Foreign reporters **were invited to cover specified events** on North Korea are subjected to very tight restrictions on access and movement.

- (a) have invited to cover specified events  
(b) invited to cover specific events in  
(c) are invited to cover specific events of  
(d) have been invited to cover specific events in  
(e) No correction required

102. Several of the targeted Muslim leaders said in interviews that, **since they are taking the threat serious**, they had no intention of backing off.

- (a) while they were taking the threat seriously  
(b) Since we were taking the threat seriously  
(c) while they had been taking the threat serious  
(d) when they take the threat seriously  
(e) No correction required

103. Saudi Arabia appears to be in a hurry **to reshape its economy and reposition itself** in West Asia.

- (a) for reshaping it's economy and reposition it  
(b) to reshaping its economy and reposition itself  
(c) to reshape its economy and reposition it  
(d) of reshaping its economy and reposition itself  
(e) No correction required

104. In the Indian context, politics **surrounded by the prisoners' ethnic origin and linguistic affinity** is often the basis for pleas for clemency.

- (a) either surrounding the prisoners' ethnic origin or linguistic affinity  
(b) surrounds the prisoners' ethnic origin and linguistic affinity  
(c) surround the prisoners' ethnic origin or linguistic affinity  
(d) surrounding the prisoners' ethnic origin or linguistic affinity  
(e) No correction required

105. The Commerce Ministry **will be proposed a mechanism to counter** the issue of non-payment of dues by Venezuelan importers to Indian exporters.

- (a) proposed a mechanism to counter
- (b) has proposed a mechanism to address
- (c) is proposing a mechanism to address
- (d) will propose a mechanism to counter
- (e) No correction required

**Directions (106-110):** Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- A. It is narrow towards the bottom and both the faces are joined in the middle.
- B. Tiruvarur has a rich history for using rare musical instruments and it was no wonder when we saw the rare panchamukha vadyam, Bari nayanam and Kodukotti there.
- C. The bigger one comes with the dimension of 1-12" in length and 8" in diameter, which is covered with the cow's skin and it is about 8-10 inches in length and 6 in diameter for the smaller one, which is covered with either the cow's skin or that of a goat.
- D. These instruments come under the category of the avanaddha vadyas.
- E. Both heads emanate different sounds.
- F. According to Professor P. Sambamurthy, Kidikatti or Kodukotti is an ancient instrument, which looks like a flower pot, is made out of the Jackfruit wood.

- 106. Which of the following would be the **FIRST** sentence after rearrangement?  
(a) A (b) B (c) C (d) D (e) E
- 107. Which of the following would be the **LAST (SIXTH)** sentence after rearrangement?  
(a) A (b) B (c) C (d) D (e) E
- 108. Which of the following would be the **SECOND** sentence after rearrangement?  
(a) A (b) B (c) C (d) D (e) E
- 109. Which of the following would be the **THIRD** sentence after rearrangement?  
(a) A (b) B (c) C (d) D (e) F
- 110. Which of the following would be the **FOURTH** sentence after rearrangement?  
(a) A (b) B (c) C (d) D (e) E

**Directions (111- 115):** The Following questions have two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

- 111. \_\_\_\_\_ is China the world's most populous country, with nearly 1.3 billion people, it is also the world's fastest-growing economy, \_\_\_\_\_ more than fourfold every year.  
(a) Not only; expanding (b) Merely; developing  
(c) Hardly; growing (d) Surprisingly; flourishing  
(e) An example; evolving
- 112. Only a few decades \_\_\_\_\_ the meeting between Frankfurter and Rau took place, the U.S. Supreme Court had used the "due process clause" in the 14th \_\_\_\_\_ to invalidate social welfare legislation.  
(a) before; amendment (b) ago; change  
(c) after; article (d) hence; improvement

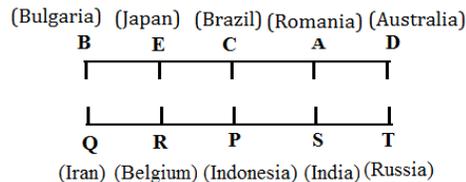
- (e) later; chance

- 113. \_\_\_\_\_ the Supreme Court of India in the Rajbala case has strongly rejected the doctrine of substantive due process, the Bombay High Court has, \_\_\_\_\_ earlier Supreme Court pronouncements, applied and reiterated the doctrine in Indian constitutional law.  
(a) Since; hence (b) When; therefore  
(c) While; following (d) Though; yet  
(e) Whatever; whenever
- 114. Known for their \_\_\_\_\_ performance, noted Mambalam Sisters \_\_\_\_\_ music lovers through their pleasing concert at Kalabharati, Visakhapatnam recently.  
(a) vibrant; enjoyed (b) sedate; enraptured  
(c) insipid; thrilled (d) anthemic; mingled  
(e) lethargic; soothed
- 115. Modern management follows the \_\_\_\_\_ of Indra, regulated by a stern Daksha. And so market is seen as a dog-eat-dog world, a jungle \_\_\_\_\_.  
(a) rules; eventfully (b) laws; raj  
(c) directions; condition (d) path; gateway  
(e) principles; essentially



**Solutions**

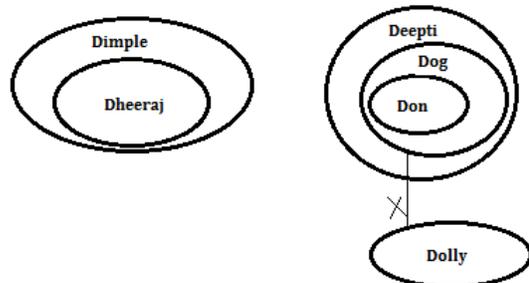
**Direction(1-5):**



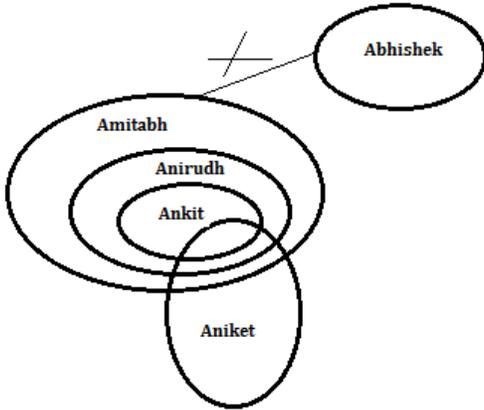
- 1. (b) A belongs to Romania
- 2. (d) P is from Indonesia
- 3. (d)
- 4. (c) Among all options only Russia sits at the extreme ends.
- 5. (d)

**Direction(6-10):**

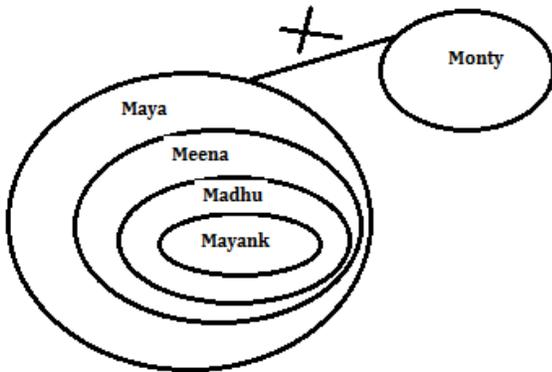
- 6. (a)



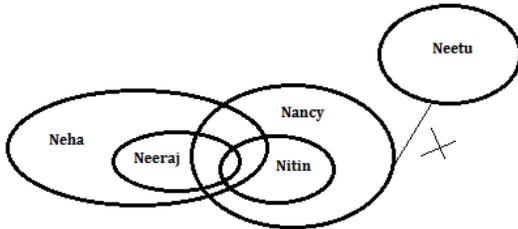
- 7. (c)



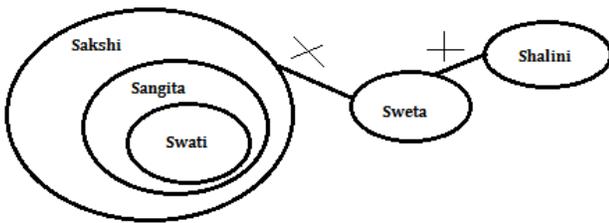
8. (d)



9. (b)



10. (a)



**Direction(11-15):**

11. (a) : Since the advertisement invites 'intelligent' students by promising them and improved performance through their exceptional coaching, so both I and II are implicit. However, nothing can be assumed about other institutes as the given advertisement talks of only a particular institute. So, III is not implicit.
12. (d) : The statement mentions that India had to pay the price of increased pollution level to earn its economic growth. So, both

I and III are implicit. However, this does not imply that only industrial growth has brought about India's economic growth. So, II is not implicit.

13. (b) : The statement simply mentions that Clinton and Roosevelt were the only two persons who were re-elected as President of America. But this does not imply that they were liked by the public for the same reasons or qualities. So, II is implicit. Nothing about the reasons of Clinton's victory or the election campaign of Clinton's rivals can be assumed from the given statement. So, III is not implicit.
14. (d) : Assumption I follows from the statement and so it is implicit. II is vague and so it is not implicit. Also, advertisements are given with the hope that people would know the qualities of the product and buy it. So, III is implicit.
15. (d) : The statement expresses grave concern over the lack of proper premises and inadequate staff in labour and industrial courts and a proper office only can ensure their smooth functioning. So, both I and III are implicit. The lack of facilities to the courts also indicates the state's negligent attitude to the condition of the courts. So, II is also implicit.

**Direction(16-20):**

PERSON	NEWSPAPER	COMPANY
Ashok	The Hindu	Telco
Nishikant	Hindustan Times	Usha Martin
Chandra Shekhar	Times Of India	Tisco
Pranab Sinha	The Economic Times	Mecon
Sunil Jha	Pioneer	HCL
Digvijay Pathak	Indian Express	Wipro

16. (e)  
 17. (a)  
 18. (c)  
 19. (e)  
 20. (b)

**Direction(21-25):**

The machine first rearranges words which are along with numbers according to the ascending order of sum of the digits of the numbers. And then remaining words are arranged in descending order of the length of words. In case words are of equal length, then they are arranged in reverse alphabetical order.

In the last step, except the words that are along with numbers, the place value of the first letter of the words is written in the place of words in alphabet.

**Input:** garden heat 36 in 28 below normal in 23 over

**Step I:** in 23 garden heat 36 in 28 below normal over

**Step II:** in 23 heat 36 garden in 28 below normal over

**Step III:** in 23 heat 36 in 28 garden below normal over

**Step IV:** in 23 heat 36 in 28 normal garden below over

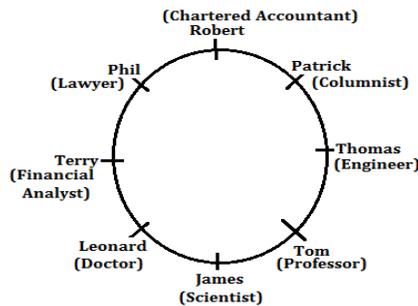
**Step V:** in 23 heat 36 in 28 14 7 2 15

21. (b)  
 22. (a)  
 23. (d)  
 24. (a)  
 25. (b)

**Direction(26-30):**

26. (d) : Closing the school for a week and the parents withdrawing their children from school are independent issues and must have been triggered by different causes.
27. (c) : An increase in the cases of atrocities on women and the police being unable to nab the culprits involved in the same are independent happenings in themselves.
28. (d) : The prices of petrol and diesel being stagnant in the domestic market and the increase in the same in the international market must be backed by independent causes.
29. (b) : Clearly, withdrawal of fund by society members is bound to reduce the lending power of the society.
30. (a) : The increase in the supply always triggers a reduction in the prices.

**Direction(31-35):**



31. (b)  
 32. (d)  
 33. (c)  
 34. (b)  
 35. (a)  
 36. (d)  
 37. (d)  
 38. (d)  
 39. (b)  
 40. (c)  
 41. (c)  
 42. (b)  
 43. (d)  
 44. (d)  
 45. (b)  
 46. (b); Total number of post graduate in H = 80% of 3360 = 2688  
 Number of female post graduate = 2688 - 1800 = 888  
 Total number of female employees in country H =  $\frac{5}{14} \times 3360 = 1200$   
 Percentage of female post graduate employees =  $\frac{888}{1200} \times 100 = 74\%$   
 47. (d); In country A,  
 Percentage of women =  $\frac{7}{(5+7)} \times 100 = 58.33\%$   
 Similarly in B = 31.25%  
 C = 52.38%  
 D = 40%  
 E = 46.15%

F = 51.21

G = 46.67

H = 35.71

Second lowest is H

48. (d); Male employees in country B =  $\frac{11}{16} \times 2880 = 1980$

Male employee in country H =  $\frac{9}{14} \times 3360 = 2160$

Female employee in country C =  $\frac{11}{21} \times 2310 = 1210$

Female employee in country D =  $\frac{2}{5} \times 3575 = 1430$

Ratio = 1980 + 2160 : 1210 + 1430

= 4140 : 2640

= 69 : 44

49. (e); Number of post graduate employees in A, B and D = 75% of 2568 + 65% of 2880 + 60% of 3575 = 5943

Number of post graduate employees in F, G and H = 75% of 2788 + 55% of 3720 + 80% of 3360 = 6825

Require difference =  $\frac{6825}{3} - \frac{5943}{3}$

= 294

50. (d); Average employees per office in country A =  $\frac{2568}{16} = 160.5$

Similarly In B = 160

in C = 165

in D = 162.5

in E = 158

in F = 164

in G = 155

in H = 160

Highest is in C.

51. (a);  $\frac{14 \times 80}{21 \times 72} \times 100 = 74\%$  (approx)

52. (c); Adult population of city C =  $8.5 \times \frac{16}{100} \times \frac{75}{100}$  lakh = 1.02 lakh

Total population of city E =  $8.5 \times \frac{15}{100}$  = 1.275 lakh

Difference = 0.255 lakh

= 25,500 lakh

53. (d); Adults male population of city B

=  $8.5 \times \frac{24}{100} \times \frac{65}{100} \times \frac{8}{13}$

= 0.816 lakh

Adults female population of city C

=  $8.5 \times \frac{16}{100} \times \frac{75}{100} \times \frac{2}{5} = 0.408$  lakh.

Difference = 0.816 - 0.408 = 0.408 lakh

= 40800

54. (d); Adults female population of City A

=  $8.5 \times \frac{21}{100} \times \frac{72}{100} \times \frac{5}{12} = 0.5355$  lakh

Adults male population of city E

=  $8.5 \times \frac{15}{100} \times \frac{70}{100} \times \frac{4}{7} = 0.51$  lakh

Req.% =  $\frac{0.5355}{0.51} \times 100 = 105\%$

55. (e); Req. % =  $\frac{8-5}{5} \times 100 = 60\%$

56. (c); Difference of scores made by Joe Root in ODI and T-20

= 1200 - 860 = 340

Difference of scores made by Kane Williamson in ODI and T-20

$$= 1300 - 1100 = 200$$

$$\text{Req. \%} = \frac{340-200}{200} \times 100 = 70\% \text{ (more)}$$

57. (d); Total score made by all player in ODI  
 $= 500 + 620 + 860 + 1300 + 920 + 1240$   
 $= 5440$

Total score made by all players in T-20  
 $= 600 + 780 + 1200 + 1100 + 1060 + 1340$   
 $= 6080$

$$\text{Req. \%} = \frac{5440}{6080} \times 100 \approx 90\%$$

58. (b); Joe Root average in ODI  $= \frac{860}{25} = 34.4$

Kane Williamson average in ODI  $= \frac{1300}{25} = 52$

59. (c); Average score by all the players in ODI  
 $= \frac{1}{5}(500 + 620 + 860 + 1300 + 920 + 1240)$   
 $= \frac{5440}{6} = 906.67$

3 players score are more than average score  
 Kane Williamson, Martin Guptil, Francois du Plesis

60. (e); Total score by Virat Kohli, Joe Root and Martin Guptil in T-20

$$= 600 + 1200 + 1060 = 2860$$

Total score by Aaron Finch, Kane Williamson and Francois Du Plesis in ODI matches

$$= 620 + 1300 + 1240 = 3160$$

$$\text{Req. \%} = \frac{3160-2860}{3160} \times 100$$

$$= \frac{300 \times 100}{3160} \approx 10\% \text{ (less)}$$

61. (a); Increase in Rice Production

$$\text{Year 2003} = 130\% \text{ of } 2800 = 3640$$

$$\text{Year 2004} = 140\% \text{ of } 3800 = 5320$$

$$\text{Year 2005} = 145\% \text{ of } 2100 = 3045$$

$$\text{Year 2007} = 140\% \text{ of } 3600 = 5040$$

$$\text{Total earlier production} = 2800 + 3800 + 2100 + 3600 = 12300$$

$$\text{Now wheat production} = 3640 + 5320 + 3045 + 5040 = 17045$$

$$\text{Percentage increase} = \frac{17045-12300}{12300} \times 100 \approx 40\%$$

62. (b); Average production of Rice in 2007  $= \frac{1}{3} \times [3600 + 3400 + 2900]$

$$= \frac{1}{3} \times 9900 = 3300$$

63. (d); Average production of Rice by U.S.A.  $= \frac{1}{7} \times [3200 + 2900 + 3700 + 3100 + 3500 + 2900 + 3400]$

$$= \frac{1}{7} \times 22700 = 3242\frac{6}{7}$$

64. (c); Increase in production

$$\text{Year 2001} = 120\% \text{ of } 3200 = 3840$$

$$\text{Year 2002} = 125\% \text{ of } 2900 = 3625$$

$$\text{Year 2003} = 128\% \text{ of } 3700 = 4736$$

$$\text{Year 2004} = 135\% \text{ of } 3100 = 4185$$

$$\text{Total new production} = 16386$$

$$\text{Total earlier production} = 12900$$

$$\% \text{ increase} = \frac{16386-12900}{12900} \times 100 = 27\% \text{ (approx)}$$

65. (d); Total production of Rice by three countries in the year 2002, 2003 and 2004  $= 3300 + 2900 + 2700 + 2900 + 3700 + 2800 + 2900 + 3100 + 3800 = 28100$

Total production of Rice by Three countries in the year 2005, 2006 and 2007  $= 3000 + 3500 + 2100 + 2400 + 2900 + 3800 + 2900 + 3400 + 3600 = 27600$

$$\text{Req. \%} = \frac{28100-27600}{27600} \times 100 = 1.8\%$$

66. (e); Let the salary of A and B at the end of year 2002 be 3x and 4x respectively.

Ratio of their salary in 2008

$$\frac{120\% \text{ of } 125\% \text{ of } 130\% \text{ of } 120\% \text{ of } 110\% \text{ of } 110\% \text{ of } 3x}{110\% \text{ of } 110\% \text{ of } 120\% \text{ of } 120\% \text{ of } 130\% \text{ of } 130\% \text{ of } 4x}$$

$$= \frac{125 \times 3}{130 \times 4} = \frac{25 \times 3}{26 \times 4} = \frac{75}{104}$$

67. (b); Ratio of salaries of A, B, C and D in 2006  $= 125\% \text{ of } 130\% \text{ of } 120\% \text{ of } 22 : 110\% \text{ of } 120\% \text{ of } 13 : 120\% \text{ of } 130\% \text{ of } 110\% \text{ of } 7 : 120\% \text{ of } 110\% \text{ of } 110\% \text{ of } 13$   
 $= 125 \times 130 \times 22 : 110 \times 120 \times 13 : 130 \times 110 \times 7 : 110 \times 110 \times 13$   
 $= 25 : 12 : 7 : 11$

68. (b); Let the salary of B and C at the end of year 2004 be x

$$\text{Then, Ratio} = \frac{120\% \text{ of } x}{130\% \text{ of } x} = 12 : 13$$

69. (b); Salary at the end 2008  $= 120\% \text{ of } 125\% \text{ of } 130\% \text{ of } 120\% \text{ of } 110\% \text{ of } 110\% \text{ of } 20000$   
 $= 56628$

70. (a); Average  $= \frac{10+10+20+20+30+30}{6} = \frac{120}{6} = 20$

71. (d); Required Ratio  $= \frac{75+65}{85+95} = \frac{140}{180} = 7 : 9$

72. (c); Required %  $= \frac{70+80}{95+110} \times 100 = \frac{150}{205} \times 100 = 73.17\%$

73. (d); Average sales of B<sub>1</sub> B<sub>2</sub> and B<sub>3</sub> in 2011

$$= \frac{105+65+110}{3} = \frac{280}{3}$$

Now, average sales of B<sub>1</sub>, B<sub>3</sub> and B<sub>6</sub> in 2010

$$= \frac{80+95+70}{3} = \frac{245}{3}$$

$$\text{Required \%} = \frac{245 \times 3}{3 \times 280} \times 100 = 87.5\%$$

74. (b); Required average  $= \frac{80+75+95+85+75+70}{6} = \frac{480}{6} = 80$

75. (d); Required sales  $= (80 + 105) + (95 + 110) + (75 + 95) = 560$

76. (a); Required number  $= 86000 \times \frac{20}{100} + 34000 \times \frac{15}{100} + 42000 \times \frac{20}{100}$   
 $= 30700$

77. (d); Required percent  $=$

$$= \frac{(84000 \times \frac{25}{100} - 56000 \times \frac{35}{100})}{(56000 \times \frac{35}{100})} \times 100$$

$$= 7\% \text{ (approx).}$$

78. (b);  $= \frac{(48000 \times \frac{28}{100} + 60000 \times \frac{35}{100} + 38000 \times \frac{42}{100})}{3}$

$$= 16800$$

79. (c); Required ratio is :

$$= 60000 \times \frac{40}{100} : 60000 \times \frac{20}{100}$$

$$= 2 : 1$$

80. (e);  $\frac{48000 \times \frac{12}{100}}{86000 \times \frac{20}{100}} \times 100$

$$= 33\% \text{ (approx)}$$

81. (a); It's given in the first paragraph that "..... but let us instead focus on the important aspects that pertain to the data ecosystem". Hence (a) is the correct option.
82. (d); From the first and third paragraphs, we can conclude that (i) and (ii) are true. Now it is given in the fourth paragraph that 'Geospatial information, especially when so widely defined, keeps changing'. Hence, (iii) is false. Hence (d) is the correct option.
83. (b) It is given in the fourth paragraph that 'A government regulator that is yet to be set up....'. Hence, (b) is the correct option.
84. (c); From the first paragraph, we can conclude that (c) is the correct option.
85. (a); It is given in the last paragraph that 'To satisfactorily "vet" the complex mishmashes of data that are bound to emerge over time will be a challenging task'. Hence, (a) is the correct option.
86. (e); 'A licence to kill innovation' is the apt title.
87. (a); 'Leverage' means 'use (something) to maximum advantage'. Hence, 'advantage' is the word which is most similar in meaning to it.
88. (e); 'Trajectories' means 'the path followed by a projectile'. Hence, 'course' is the word which is most similar in meaning to it.
89. (c); 'Acquiring' means 'buy or obtain for oneself'. Hence, 'Forfeit' is the word which is most opposite in meaning to it.
90. (b); 'Vet' means 'make a careful and critical examination of something'. Hence, 'Overlook' is the word which is most opposite in meaning to it.
91. (e)
92. (d)
93. (a)
94. (e)
95. (a)
96. (e)
97. (d)
98. (b)
99. (c)
100. (e)
101. (b); Replace 'were invited to cover specified events on' with 'invited to cover specific events in'. Since two auxiliary verbs can not be used together for the same subject.
102. (a); Replace 'since they are taking the threat serious' with 'while they were taking the threat seriously'.
103. (e); No correction required
104. (d); Replace 'surrounded by the prisoners' ethnic origin and linguistic affinity' with 'surrounding the prisoners' ethnic origin or linguistic affinity'.
105. (b); Replace 'will be proposed a mechanism to counter' with 'has proposed a mechanism to address'.  
The correct order to form a meaningful paragraph is **BDFACE**
106. (b); B
107. (e); E
108. (d); D
109. (e); F
110. (a); A
111. (a); 'Not only; expanding' is the correct option.
112. (a); 'before; amendment' is the correct option. Since, the sentence is in past hence, (a), (b), (e) are the probable answers, but 'legislations' are amended (not changed). Hence, (a) is the correct option.
113. (c); 'While; following' is the correct option. Since, the word 'reiterated' suggests that the pronouncements were acknowledged by the Supreme Court. Hence, 'following' is the appropriate option for second blank. Hence, (c) is the correct option.
- Reiterate:** Repeat
114. (b); 'sedate; enraptured' is the correct option.  
**Sedate:** Calm; dignified  
**Enraptured:** Give intense pleasure or joy to.  
Rest of the options are either paradoxical or against the meaning of the sentence. Hence, (b) is the correct option.
115. (e); 'principles; essentially' is the correct option. For the second blank an adverb is required. So, either (a) or (e) is the correct option. But, look at the meaning of the following.  
**Eventfully:** used to denote events marked by interesting or exciting events.  
**Essentially:** used to emphasize the basic, fundamental, or intrinsic nature of a person or thing.  
Hence, (e) is the correct option.

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# IBPS PO MAINS / UIIC AO : PRACTICE SET

## REASONING

**Direction (1-5):** Study the following information carefully and answer the questions given below:

John, Mathew, Shakira, Wasim, David, Serena, Maria and Rafel are going to three destinations, viz London, Paris and Sydney, in three vehicles-Duster, Mercedes and Lamborghini. There are three females among them and not more than three persons can sit in a car. Shakira is the sister of David and is going to Sydney. Maria is travelling with her brothers only. John is neither travelling in Mercedes nor he is going to Paris. Mathew is travelling with David and may be accompanied with somebody, except John. Serena is not travelling with Rafel and she is going to Paris. Wasim is travelling in Duster but neither with David nor with Shakira. Those who are travelling in Mercedes are going to London.

- Members of which of the following cars are going to Sydney?  
a) None                      b) Lamborghini    c) Duster  
d) Mercedes                e) Either Lamborghini or Duster
- In which of the following cars are only two members travelling?  
a) Mercedes                b) Lamborghini    c) Duster  
d) Either Lamborghini or Duster  
e) Either Mercedes or Duster
- Members of which of the following groups are going to London?  
a) Shakira Rafel Maria              b) Maria David Mathew  
c) Rafel Mathew Shakira  
d) John Serena Wasim              e) None of these
- Who is travelling with Serena?  
a) Only John                      b) Only Wasim  
c) Both John and Wasim  
d) Can't be determined              e) None of these
- Which of the following combinations is true?  
a) Shakira—Duster- Sydney  
b) Serena—Mercedes —London  
c) Wasim—Lamborghini —Paris  
d) Maria—Mercedes—London  
e) Mathew—Lamborghini —Sydney

**Directions(6-10):** In each of the questions below are given three statements followed by three Conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the Conclusions and then decide which of the given Conclusions logically follows from the given statements disregarding commonly known facts.

- Statements:** All flowers are toys.  
Some toys are trees.                      Some angels are trees.  
**Conclusions :** I Some angels are toys.

II. Some trees are flowers.

III. Some flowers are angels.

- (a) Only I follows                      (b) Only II follows  
(c) Only I and III follow  
(d) Only III follows                      (e) None follows

- Statements:** Some pigeons are dogs.  
All dogs are cats.                      All pigeons are horses.  
**Conclusions :** I. Some horses are dogs.  
II. Some cats are pigeons.              III. Some horses are cats.  
(a) All follows                      (b) Only II and III follow  
(c) Only I and III follow              (d) Only I and II follow  
(e) None of these
- Statements :** All tables are streets.  
All streets are bottles.                      All parrots are bottles.  
**Conclusions:** I. Some streets are parrots.  
II. Some bottles are tables.              III. All tables are bottles.  
(a) Only I follows                      (b) Only II follows  
(c) Only III follows                      (d) Only II and III follow  
(e) None of these
- Statements :** Some cartoons are boys.  
All boys are windows.                      All jokers are windows.  
**Conclusions :** I. All jokers are boys.  
II. Some cartoons are windows.  
III. Some jokers are cartoons.  
(a) Only I follows                      (b) Only II follows  
(c) Only III follows                      (d) Only I and II follow  
(e) None of these
- Statements :** Some saints are balls.  
All balls are bats.                      Some tigers are balls.  
**Conclusions** I. Some bats are tigers.  
II. Some saints are bats.  
III. All bats are balls.  
(a) Only I and III follow              (b) Only II follows  
(c) Only I and II follow              (d) Only III follows  
(e) None of these

**Direction(11-15):** Study the following information carefully and answer the questions given below:

Ten persons John, Krish, Leon, Menon, Nathan, Pollock, Queen, Ricky, Smith and Tret are sitting in two rows with five persons in each row. The persons in row one are facing south and the persons in row two are facing north. Each person in row one faces a person from the other row.

All of them like a different soft drink, viz Sprite, Slice, Pepsi, Maaza, Fanta, Mirinda, Limca, 7up, Nimbooz and Cola, but not necessarily in the same order.

The persons who like Fanta and Mirinda sit opposite each other. Pollock sits opposite John, who likes Sprite. The one who likes

Slice sits opposite the one who likes 7up. Tret is not facing north but sits third to the left of Queen, who likes Slice. There is only one person between Krish and Leon. Nathan sits at one of the ends of the row and likes Mirinda. The one who likes 7up is on the immediate right of Menon, who does not like Cola.

The persons who like Pepsi and Maaza respectively are not facing north. Leon likes Limca. The one who likes Maaza sits opposite the one who is second to the right of Krish. Smith does not like Cola. Nathan sits opposite the one who sits second to the left of the one who likes Pepsi.

**11.** Who among the following likes Cola ?

- (a) Ricky (b) Tret (c) Pollock  
(d) Smith (e) None of these

**12.** Who among the following sit at the extreme ends of the row and are facing south?

- (a) Menon, Nathan (b) Smith, Leon (c) Tret, Nathan  
(d) Ricky, Tret (e) None of these

**13.** How many persons sit between Menon and Nathan?

- (a) One (b) Two (c) Three  
(d) Can't be determined (e) None of these

**14.** Krish likes which of the following soft drinks?

- (a) Fanta (b) 7up (c) Cola  
(d) Maaza (e) None of these

**15.** Which of the following statements is/are true?

- (a) Ricky likes Cola and sits at one of the ends of the row.  
(b) Pollock is the immediate neighbour of Queen and the person who likes Fanta.  
(c) The one who likes Limca sits on the immediate left of the one who likes Mirinda.  
(d) Only a) and c) are true  
(e) None of these

**Direction (16-20):** In each of the following questions, a statement/group of statements is given followed by some conclusions. Without resolving anything yourself, choose the conclusion which logically follows from the given statement(s).

**16. Statement :**

1. Some very effective medicines are made from spider venom.  
2. Poison of snake is also need for curing certain diseases.

**Conclusions :** All poisons cure some or the other disease.

The conclusion drawn

- (a) definitely follows from the given statements  
(b) does not follow from the given statements  
(c) is probably true  
(d) Can't say (e) Probably false

**17. Statement :**

1. Water boils at 100°C.  
2. Water freezes at 0°C.

**Conclusion :**

At low pressure, water boils at lower temperatures.

The conclusion drawn is

- (a) definitely true (b) definitely false

(c) either probably true (d) irrelevant

(e) probably false

**18. Statement :**

1. During volcanic eruptions, molten lava oozes out in a stream.

2. The lava comes from under the crust of the earth.

**Conclusion :** The inside of the earth must be very hot.

The conclusion drawn is

- (a) definitely true (b) probably true  
(c) definitely false (d) irrelevant  
(e) probably false

**19. Statement :**

1. Oxygen is a gas. 2. This cylinder contains gas.

**Conclusion :** This cylinder contains oxygen.

The conclusion drawn is

- (a) irrelevant (b) definitely true  
(c) either probably true or probably false  
(d) definitely false (e) probably false

**20. Statement :**

1. Persons of modest means try to have a house of their own.

2. Since buying or constructing a house is an expensive affair, they try to save money in all possible ways.

3. After years of saving, they realise that although they have saved the amount they had planned to save, it is not sufficient now for constructing a house.

**Conclusion :** Growing rates of land and building material shatter their dream.

The conclusion

- (a) follows from the given statements  
(b) does not follow from the given statements  
(c) is irrelevant (d) is probably false  
(e) is probably true

**Direction (21-25):** Study the following information to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

**Input:** 83 known 95 more dash 79 cash 63 has 71 88 work

**Step I :** 63 83 known more dash 79 cash has 71 88 work 95

**Step II:** 63 71 83 known more dash 79 cash has work 88 95

**Step III:** 63 71 79 known more dash cash has work 83 88 95

**Step IV:** 63 71 79 cash known more dash has work 83 88 95

**Step V:** 63 71 79 cash dash known more has work 83 88 95

**Step VI:** 63 71 79 cash dash has known more work 83 88 95

**Step VI:** is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of following questions the appropriate steps for the given input.

**Input for the questions:**

**Input:** 64 jack queen 42 ear 84 lost 52 dear 76 gone 48

**21.** How many steps would be needed to complete the arrangement?

- (a) X (b) VIII (c) IX  
(d) VII (e) None of these
22. Which Step number would be the following output?  
42 48 52 dear ear jack queen lost gone 64 76 84  
(a) II (b) VI (c) V  
(d) IV (e) None of these
23. Which of the following would be the Step I?  
(a) 42 48 52 jack queen ear lost dear gone 64 76 84  
(b) 84 64 jack queen ear lost 52 dear 76 gone 48 42  
(c) 42 64 dear ear jack queen lost 52 76 gone 48 84  
(d) 42 64 jack queen ear lost 52 dear 76 gone 48 84  
(e) None of the above
24. Which of the following would be the final arrangement?  
(a) 64 76 84 dear ear gone jack lost queen 42 48 52  
(b) 42 48 52 dear ear gone jack lost queen 64 76 84  
(c) 42 48 52 64 76 84 dear ear gone jack lost queen  
(d) 42 48 52 dear lost ear gone jack queen 64 76 84  
(e) None of the above
25. In Step IV, which of the following word/number would be on 7th position (from the right)?  
(a) queen (b) ear (c) 64  
(d) gone (e) None of the above

**Direction (26-30):** Study the information given below and answer the given questions.

Nine people Alisa, Bruce, Cruise, Denial, Eagle, Franco, Gayle, Honey and Jocky stay in a building, but not necessarily in the same order. The building has nine floors and only one person stays on one floor. All of them own one car each, and each car is of a different colour, ie blue, grey, white, black, yellow, green, red, orange and pink, but not necessarily in the same order. The ground floor is numbered 1, the floor above it is numbered 2, and so on, and the topmost floor is numbered 9.

Honey owns a black-coloured car and stayed on an even-numbered floor. Alisa stays on any even-numbered floor below the floor on which Honey stays. The one who owns an orange-coloured car stays on the fourth floor. Eagle stays on the second floor and owns a white-coloured car. The one who owns a pink-coloured car stays on the third floor. Alisa does not own a green coloured car. There are two floors between the floors on which the people owning the red and the black-coloured car. Cruise owns a grey-coloured car. There are three floors between the floors on which Cruise and Gayle stay. Denial stays on a floor immediately above Jocky's floor. There is one floor between the floors on which Francos and Gayle stay. Francos does not own the pink coloured car. The one who owns the blue car stays on the topmost floor. Francos does not stay on the ground floor.

26. Who amongst the following owns the green-coloured car?  
(a) Denial (b) Jocky (c) Gayle  
(d) Francos (e) None of these
27. Who amongst the following stays on the topmost floor?  
(a) Francos (b) Gayle (c) Denial  
(d) Cruise (e) None of these

28. Alisa owns a car of which of the following colours?  
(a) Orange (b) Pink (c) Yellow  
(d) Blue (e) None of these
29. Who stays on the floor which is exactly between the floor on which Honey stays and the floor on which Alisa stays?  
(a) Bruce (b) Gayle (c) Cruise  
(d) Francos (e) None of these
30. How many floors are there between the floor on which Jocky stays and the floor on which Cruise stays?  
(a) One (b) Two (c) None  
(d) Three (e) More than three

**Directions (31-35):** Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give answer (a) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (b) If the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (c) If the data in Statement I alone or in Statement II alone are sufficient to answer the question.

Give answer (d) If the data in both the statements I and II are not sufficient to answer the question.

Give answer (e) If the data in both the Statements I and II together are necessary to answer the question.

31. On which month of the year was Divyaraj born?  
I. Her mother correctly remembers that Divyaraj was born after June and before September.  
II. Her father correctly remembers that he was born after March and before August.
32. What is the code for 'those' if in a certain language 'those lovely red roses' is written as 'pe so la ti' ?  
I. 'ni jo ke pe' means 'stopped at red light'.  
II. 'ba di ti ga' means 'roses are very pretty and 'fo hi la' means 'lovely day outside'.
33. What is Krishna's rank from the top in a class of 50 students?  
I. Ajay is 6 ranks below Krishna and is twenty-ninth from the bottom.  
II. Ashu is 4 ranks above Krishna and is thirty-fifth from the bottom.
34. How many sisters does Sona have ?  
I. The only brother of Sona's father has only one niece.  
II. The son of the husband of Sona's mother has two siblings.
35. Who among A, B, C and D is sitting next to A if all the four are sitting in a straight line facing North ?  
I. A does not sit next to D who does not sit next on the extreme right.  
II. None sit to the left of A and on the right of B, while only one person sits between C and B.

**Directions (36-40):** In the following questions, the symbols \$, @, £, • and # are used with the following meanings as illustrated below:

- 'A \$ B' means A is neither greater nor smaller than B  
 'A @ B' means A is neither greater than nor equal to B  
 'A £ B' means A is neither smaller than nor equal to B  
 'A • B' means A is not smaller than B  
 'A # B' means A is not greater than B

In each of the following questions, assuming the given statements to be true, find out which of the two conclusions I and II given below them is/are definitely true. Give answer

- a) if only conclusion I is true.                      b) if only conclusion II is true.  
 c) if either conclusion I or II is true.  
 d) if neither conclusion I nor II is true.  
 e) if both conclusions I and II are true.

**36. Statements:** W • P, P £ G, G @ I, I # N  
**Conclusions:** I. I £ P      II. N # W

**37. Statements:** U @ D, D \$ E, E £ Y, Y • W  
**Conclusions:** I. W @ E      II. D £ W

**38. Statements:** Z £ N, N # K, K \$ M, M @ R  
**Conclusions:** I. M \$ N      II. M £ N

**39. Statements:** V • D, D £ T, K \$ T, K # F  
**Conclusions:** I. D £ K      II. T • F

**40. Statements:** S \$ Q, Q @ B, B • K, K # W  
**Conclusions:** I. K # S      II. S @ W

**Direction (41-45):** Study the following information carefully and answer the questions given below.

Ravish Kumar, Vikram Chandra, Menaka Doshi, Gaurav Kalra, Barkha Dutt, Arnab Goswami, Abhigyan Prakash and Udayan Mukherjee are eight employees working in three departments Marketing, Finance and Production. In an Organization with at least two of them in any department and not more than three persons. Each of them has a different choice of TV channel from Star, Zee, ESPN, DD, Sony, NDTV, AajTak, and BBC not necessarily in the same order.

Gaurav Kalra likes ESPN and he works in production department with only Abhigyan Prakash. Vikram Chandra and Arnab Goswami do not work in the same department. Udayan Mukherjee likes DD and does not work in finance departments with either Arnab Goswami or Menaka Doshi who does not work in marketing department. Barkha Dutt works with Menaka Doshi in the same department and likes Star. Vikram Chandra likes Aaj Tak and none of his colleagues in the department like either Sony or NDTV. Abhigyan Prakash likes Zee, Arnab Goswami does not like Sony.

- 41.** Which channel does Ravish Kumar like?  
 (a) DD                      (b) NDTV                      (c) BBC  
 (d) Data inadequate      (e) None of these
- 42.** In which department does Arnab Goswami work?  
 (a) Marketing              (b) Production              (c) Finance  
 (d) Marketing or finance      (e) None of these
- 43.** Which channel does Arnab Goswami like?  
 (a) Zee                      (b) NDTV                      (c) BBC

(d) Data inadequate      (e) None of these

- 44.** Which of the following groups work in marketing department?  
 (a) Vikram Chandra, Ravish Kumar, Abhigyan Prakash  
 (b) Vikram Chandra, Abhigyan Prakash, Barkha Dutt  
 (c) Udayan Mukherjee, Vikram Chandra, Barkha Dutt  
 (d) Vikram Chandra, Ravish Kumar, Barkha Dutt  
 (e) None of these
- 45.** In which department does Vikram Chandra work?  
 (a) Marketing              (b) Production              (c) Finance  
 (d) Data inadequate      (e) None of these

**Directions (46-50):** In each question below is given a statement followed by two assumptions I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

**Given answer**

- (a) if only assumption I is implicit;  
 (b) if only assumption II is implicit;  
 (c) if either I or II is implicit;  
 (d) if neither I nor II is implicit      (e) if both I and II are implicit.

**46. Statement :** "It has become a necessity to computerize all the functions of our Institute to maintain the present position." – A statement of the Director of XYZ Institute.

**Assumptions :** I. Unless computerized, the Institute will fall behind the race.

II. The functions of the Institute are too complex to be handled manually.

**47. Statement :** The product X that you have asked for is not with us but can be made available against confirm order from you.

**Assumptions :** I. The product X is not in great demand.

II. The product X is out of stock as new model is coming up.

**48. Statement :** If you are an engineer, we have a challenging job for you.

**Assumptions :** I. We need an engineer.

II. You are an engineer.

**49. Statement :** The multinational fast chains are opening up a large number of Plus Coffee Shops with piped modern music in different cities of India and these are serving various breakfast (snax) with coffee.

**Assumptions :** I. A large number of person may become regular customers of these coffee shops.

II. The people will like to enjoy the comfortable environment while drinking coffee with snax.

**50. Statement :** The government has decided to hold the employers responsible for deducting tax at source for all its employees.

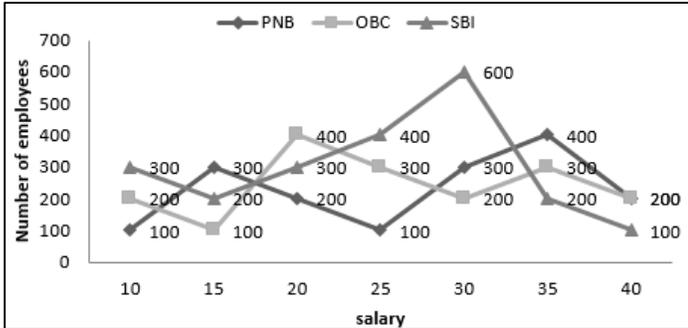
**Assumptions :** I. The employers may still not arrange to deduct tax at source for its employees.

II. The employees may not allow the employers to deduct tax at source.

**MATH'S**

**Directions (51-55):** Read the following graph carefully and answer the questions given below.

**Number of employees and their salaries (in thousands per month) in different banks.**



- What is the average salary of employees of PNB?  
(a) Rs. 26125 (b) Rs. 24525 (c) Rs. 23186  
(d) Rs. 25625 (e) None of these
- Which bank has the lowest number of employees?  
(a) SBI (b) PNB (c) OBC  
(d) PNB and OBC (e) None of these
- What is the respective ratio between the total salary of Rs. 15000 salaried employees to the total salary of Rs. 35000 salaried employees?  
(a) 1 : 3 (b) 2 : 3 (c) 1 : 1  
(d) 4 : 1 (e) None of these
- The number of employees of OBC drawing salary Rs. 20000 is **approximately** what percent of the number of employees of SBI drawing salary Rs. 30000 month?  
(a) 75% (b)  $33\frac{1}{2}$  (c)  $16\frac{2}{3}$   
(d) 80% (e)  $66\frac{2}{3}$ %
- Total salary of Rs. 20000 salaried employees is what percent of the total salary of 25000 salaried employees?  
(a) 92 (b) 90 (c) 94 (d) 86 (e) None of these

**Directions: (56-60):** In the following number series, a wrong number is given. Find out that wrong number.

- 2 11 38 197 1172 8227 65806  
(a) 11 (b) 38 (c) 197  
(d) 1172 (e) 8227
- 16 19 21 30 46 71 107  
(a) 19 (b) 21 (c) 30  
(d) 46 (e) 71
- 7 9 16 25 41 68 107 173  
(a) 107 (b) 16 (c) 41  
(d) 68 (e) 25
- 4 2 3.5 7.5 26.25 118.125  
(a) 118.125 (b) 26.25 (c) 3.5  
(d) 2 (e) 7.5
- 16 4 2 1.5 1.75 1.875  
(a) 1.875 (b) 1.75 (c) 1.5

- (d) 2 (e) 4

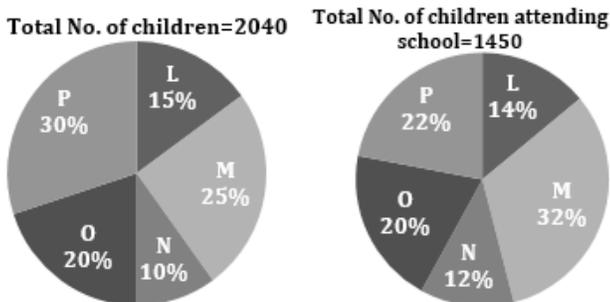
**Directions (61-65):** In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and given answer

- (a) if  $x > y$  (b) if  $x \geq y$   
(c) if  $x < y$  (d) if  $x \leq y$  (e) if  $x = y$   
Or relationship between x and y cannot be established
- I.  $4x^2 - 43x + 105 = 0$  II.  $7y^2 - 29y + 30 = 0$
  - I.  $x^2 + 13x + 40 = 0$  II.  $y^2 + 7y + 10 = 0$
  - I.  $x = \sqrt[3]{2197}$  II.  $2y^2 - 54y + 364 = 0$
  - I.  $5x^2 - 27x + 36 = 0$  II.  $y^2 - 3y + 2 = 0$
  - I.  $13x - 8y + 81 = 0$  II.  $15x + 5y + 65 = 0$
  - A and B entered into a partnership investing Rs. 16000 and Rs. 12000 respectively. After 3 month, A withdrew Rs. 5000 while B invested Rs. 5000 more. After 3 more months, C joins the business with a capital of Rs. 21000. The share of B exceeds that of C, out of a total profit of Rs. 26400 after one year, by  
(a) Rs. 1200 (b) Rs. 2400 (c) Rs. 3600  
(d) Rs. 4800 (e) None of these
  - If the price of a commodity be raised by 15%, find how much per cent must a householder reduce his consumption of that commodity, so as not to increase his expenditure.  
(a) 14% (b)  $12\frac{1}{3}$  (c)  $23\frac{1}{3}$   
(d)  $13\frac{1}{23}$  (e) None of these
  - Ashok gave 40 percent of the amount he had to Jayant who in turn gave one-fourth of what he received from Ashok to Prakash. After paying Rs. 200 to the taxidriver out of the amount he got from Jayant, Prakash now has Rs. 600 left with him. How much amount did Ashok have?  
(a) Rs. 1200 (b) Rs. 4000 (c) Rs. 8000  
(d) Data inadequate (e) None of these
  - The average weight of a group of 9 boys was calculated to be 74.5 kg and it was later discovered that one weight was misread as 56 kg instead of the correct one of 65 kg. The correct average weight is  
(a) 75 kg (b) 73.5 kg (c) 75.5 kg  
(d) 76 kg (e) None of these
  - The sum of the ages of a father and son is 45 years. Five years ago, the product of their ages was four times the father's age at the time. The present age of the father is  
(a) 39 years (b) 36 years (c) 25 years  
(d) 35 years (e) None of these
  - A man bought a chair and sold it at a gain of 15%. If he had bought it at 15% less and sold it for Rs. 160 more, he would have gained 40%. Find the cost price of the chair.  
(a) Rs. 4000 (b) Rs. 3000 (c) Rs. 3600  
(d) Rs. 3200 (e) None of these

72. A person invested a certain amount at simple interest at the rate of 6 per cent per annum earning Rs. 900 as an interest at the end of three years. Had the interest been compounded every year, how much more interest would he have earned on the same amount with the same interest rate after three years?  
 (a) Rs. 38.13 (b) Rs. 25.33 (c) Rs. 55.08  
 (d) Rs. 35.30 (e) None of these
73. A vessel contains 125 litres of wine. 25 litres of wine was taken out of the vessel and replaced by water. Then 25 litres of mixture was withdrawn and again replaced by water. The operation was repeated for third time. How much wine is now left in the vessel?  
 (a) 54 litres (b) 25 litres (c) 64 litres  
 (d) 60 litres (e) None of these
74. 25 men and 15 women can complete a piece of work in 12 days. All of them start working together and after working for 8 days the women stopped working. 25 men completed the remaining work in 6 days. How many days will it take for completing the entire job if only 15 women are put on the job?  
 (a) 60 days (b) 88 days (c) 94 days  
 (d) 90 days (e) None of these
75. A pipe can fill a tank in 24 minutes and another pipe in 30 minutes, but a third pipe can empty it in 12 minutes. The first two pipes are kept open for 10 minutes in the beginning and then the third pipe is also opened. In what time is the cistern emptied?  
 (a) 45 minutes (b) 60 minutes (c) 75 minutes  
 (d) 90 minutes (e) None of these

**Directions (76-80):** Study the pie chart carefully to answer the questions that follow:

**Percentage breakup of number of children in five different villages and breakup of children attending school from those villages**



76. What is the respective ratio of total number of children from village O to the number of children attending school from the same village?  
 (a) 204 : 145 (b) 179 : 131 (c) 167 : 111  
 (d) 266 : 137 (e) None of these
77. What is the number of children attending school from village N?  
 (a) 145 (b) 159 (c) 170

- (d) 164 (e) None of these
78. What is the total number of children not attending school from villages M and N together?  
 (a) 69 (b) 56 (c) 76  
 (d) 63 (e) None of these
79. What is the total number of children from villages P and M together?  
 (a) 1422 (b) 1142 (c) 1122  
 (d) 1211 (e) None of these
80. The number of children attending school from village L is approximately what percentage of the number of children from that village?  
 (a) 78% (b) 72% (c) 57%  
 (d) 57% (e) 66%

**Directions (81-85):** Study the table carefully to answer the questions that follow:

**Number of people(in thousands) staying in 6 different cities and the percentage of men,women and children in those cities.**

City	Total No. of People (1000)	Percentage of		
		Men	Women	Children
P	48.35	38	36	26
Q	32.16	45	30	25
R	54.2	47	31	22
S	44.42	35	45	20
T	65.25	54	28	18
U	56.8	53	25	22

81. What is the ratio of the number of women from city R to that from city T?  
 (a) 8401 : 9135 (b) 7325 : 8462 (c) 9124 : 10131  
 (d) 6487 : 7758 (e) None of these
82. Which city has the lowest number of children?  
 (a) R (b) S (c) T  
 (d) Q (e) None of these
83. Total number of people from city U form approximately what per cent of the total number of people from all cities together?  
 (a) 28 (b) 11 (c) 6  
 (d) 24 (e) 19
84. The number of women from city S forms what per cent of that from city P? (Rounded off to two digits after decimal)  
 (a) 87.08 (b) 124.68 (c) 114.84  
 (d) 92.16 (e) None of these
85. What is the average number of men from all the cities together?  
 (a) 21450 (b) 23200 (c) 19445  
 (d) 18620 (e) None of these
86. In an innings of a cricket match, three players A, B and C scored a total of 361 runs. If the ratio of the number of runs scored by A to that scored by B and also number of runs

scored by B to that scored by C be 3 : 2, the number of runs scored by A was

- (a) 171 (b) 181 (c) 185  
(d) 161 (e) None of these

87. A container contains two liquids A and B in the ratio 7 : 5. When 9 litres of mixture are drawn off and the container is filled with B, the ratio of A and B becomes 1 : 1. How many litres of liquid A was in the container initially?

- (a) 26 (b)  $16\frac{1}{2}$  (c)  $36\frac{3}{4}$   
(d)  $26\frac{3}{4}$  (e) None of these

88. P can complete  $\frac{1}{4}$  of a work in 10 days, Q can complete 40% of the same work in 145 days. R, completes  $\frac{1}{3}$  of the work in 13 days and S can complete  $\frac{1}{6}$  of the work in 7 days. Who will be able to complete the work first?

- (a) P (b) Q (c) R  
(d) S (e) None of these

89. A contractor undertakes to make a road in 40 days and employes 25 men. After 24 days, he finds that only one-third of the road is made. How many extra men should he employ so that he is able to complete the work 4 days earlier?

- (a) 100 (b) 60 (c) 75  
(d) 90 (e) None of these

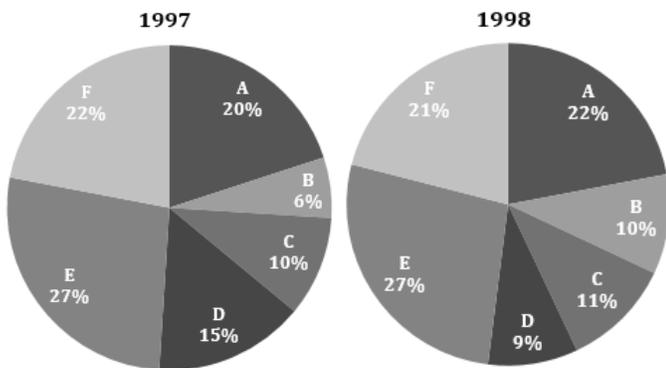
90. A water reservoir has two inlets and one outlet. Through the inlet it can be filled in 3 hours and 3 hours 45 minutes respectively. It can be emptied completely in 1 hour by the outlet. If the two inlets are opened at 01 : 00 pm and 02 : 00 pm respectively and the outlet at 03 : 00 pm then it will be emptied at.

- (a) 05 : 55 pm (b) 05 : 00 pm (c) 05 : 20 pm  
(d) 05 : 30 pm (e) None of these

**Directions (91-95):** Study the following graph carefully and answer the questions given below:

**Percentage of Different Types of Employees in a Company in two successive years**

**Total No. of Employees in 1997 & 1998 is 42,980 and 48,640 respectively**



91. The number of A type employees in 1998 was approximately what percentage of A type employees in 1997?

- (a) 115 (b) 97 (c) 125

- (d) 130 (e) 95

92. If there were 5,000 D type employees in 1998, what would have been its approximate percentage in the company?

- (a) 8 (b) 12 (c) 14  
(d) 16 (e) 10

93. In the case of which of the following types of employees was there maximum change in the number from 1997 to 1998?

- (a) B (b) D (c) C  
(d) A (e) None of these

94. Approximately, what was the difference in the number of B type employees between 1997 and 1998?

- (a) 2285 (b) 2325 (c) 2085  
(d) 2620 (e) 1825

95. The total number of which of the following pairs of types of employees in 1997 was approximately equal to A type employees in 1998?

- (a) B and C (b) A and C (c) D and E  
(d) C and D (e) C and F

**Directions (96-100):** The following questions are accompanied by three statements (A) or (I), (B) or (II), and (C) or (III). You have to determine which statement(s) is/are sufficient/ necessary to answer the questions.

96. The cost of carpeting a rectangular hall will be how much?

- I. Perimeter of a rectangle is 60 m.  
II. Angle between width and hypotenuse is 30°.  
III. The cost of carpeting the surface floor is Rs 125 per square metre.  
a) Only I and II  
b) Only II and III  
c) Only I and III or only II and III  
d) Question cannot be answered even with information in all three  
e) All the three statements I, II and III together are necessary for answering the question

97. 8 men and 6 women can complete a piece of work in 21 days. How many days will it take for 12 men and 9 women to complete the same work?

- A. 6 men can complete the work in 42 days.  
B. 7 women can complete the work in 63 days.  
C. The amount of work done by a woman is  $\frac{4}{7}$ th of the work done by a man in one day.  
a) Any two of them (b) Any of them  
c) Only C (d) Either A or B only  
e) No need of any information

98. If a and b are integers, is a + b an odd number?

- A.  $7 < a < 10$  B.  $8 < b < 11$  C.  $a \leq b$   
a) A and B together are sufficient  
b) B and C together are sufficient  
c) C and A together are sufficient  
d) A, B and C together are necessary  
e) A, B and C even together are not sufficient

99. How many marks did Jitendra obtain in Chemistry?

A. The average marks obtained by Jitendra in Physics, Maths and Chemistry is 71.

B. The total marks obtained by Jitendra in Chemistry and Physics is 142.

C. The total marks obtained by Jitendra in Physics and Maths is 162.

a) A & B only

b) A & C only

c) A & B or C only

d) B & C only

e) All A, B & C together are needed

100. A shopkeeper sold a watch and got Rs 225 as profit. Find the profit percentage.

A. Selling price of the watch is Rs 650.

B. He gave 20% discount on the labelled price, which is Rs 812.50.

C. Cost price of the watch is Rs 425.

a) Only either B or C is sufficient

b) Only either A or C is sufficient

c) Only A and C together are sufficient

d) Any one of A, B and C is sufficient

e) Any two of A, B and C are sufficient

### English Language

**Directions (101-110):** Read the passage carefully and answer the questions given below it. Certain words/ phrases are given in bold to help you locate them while answering some of the questions.

That there were only two major heroes in Bengali cinema between the 1950s and '70s says something about this film culture: either it is not where heroes were sought or they both had it all to cater to the dreams of millions of viewers.

One is Uttam Kumar, the mahanayak mentioned in almost every discussion of popular Bengali cinema. His performances were relaxed, often understated. He always seemed at ease, even while playing a despondent character, especially when cast opposite his equally famous heroine Suchitra Sen whose unpredictable exaggerations were a satisfying foil. Fifty years before Fan, Satyajit Ray had cast the ultimate star in his disturbing portrait of a celebrity's psychological exhaustion (Nayak, 1966). Kumar, before his sudden death in 1980, had been experimenting with roles atypical for a hero — darker and supporting such as that of Chunilal in a regrettable adaptation of Devdas. But for most of us, he is frozen in our memories as the charismatic matinee star that he was at his peak. Probably not coincidentally would Prosenjit Chatterjee emerge shortly after Kumar's death as the next major hero for over two decades. The other major hero of the time was Soumitra Chatterjee, all finesse and articulation. There was thoughtfulness in his performances, as though the characters he played were constantly analysing.

**Brooding** has never been executed with so much empathy and depth as it was by Chatterjee, a contrast to Kumar's ease. Chatterjee was known worldwide as Ray's leading man, but was also fully a part of Kolkata's popular cinema. He has always merited consideration far beyond 'the other guy', but because of the dominance of Kumar it is impossible to ignore a

consideration of how the two fit together in the cultural imagination.

I cannot imagine either of these actors performing a character as well as the other did in a film. This indicates that there were specifics to their talents and attractions. Both played romantic, righteous, and dutiful leading men but never in the same way. The contrast in their styles was **embodied** in an early film they did together. In Tapan Sinha's *Jhinder Bondi*, an adaptation of *The Prisoner of Zenda*, Kumar plays the bluffing yet confident duplicate king (as well as the imprisoned real ruler whose debauched lifestyle does not permit him to function); Chatterjee plays the **sneering** antagonist.

Bengali cinema in those decades also featured a rich range of character actors, some of whom were occasionally heroes in contemporary films or had been in earlier eras. Anil Chatterjee, Chhabi Biswas, Pahari Sanyal, and the magnificent Utpal Dutt proved that male characters in different roles and shades were needed for strong storytelling — fathers, friends, bosses, clients. Comedians were also prominent: Bhanu Bandyopadhyay (often paired with Jahor Roy) acted in hundreds of films and Robi Ghosh was scrappy, smarmy, or blunt to great effect. All these men had meaning that was different from that of heroes. They provided diversity in age, energy, style, and strengths that hinted at the kinds of complicated worlds we live in. The distinctions between the hero and others weren't as sharp as we — or marketers — tend to think of them today.

What influence do Kumar and Chatterjee have in today's films? Kumar is still evoked as a romantic figure. A metro station in Kolkata was renamed for him, and there's a larger-than-life-size statue of him just down that road, striding forward in dhoti-kurta. Chatterjee is active in Bengali theatre and cinema. He is interviewed and profiled regularly, he participates in cultural events, and he appears on advertising billboards. And because of

his integral contributions to Ray's work, he continues to be a figure in world cinema. However, most of the contemporary films I've seen are so different in content and tone that it is probably a fool's errand to look for yesterday's heroes in them. Their styles are completely unrelated to macho action movies and to the straining, almost artificial, drama of some art films. It is actually in Hindi films by Bengali directors and set in Kolkata that I see some similarities. Sujoy Ghosh's *Kahaani* is the best example: the hero of the film is the female lead (something both Kumar and Chatterjee were clearly comfortable with in their films), but in making the police officer who helps her a dutiful, soft-hearted dreamer, Parambrata Chatterjee echoed the **wistfulness** that Soumitra Chatterjee's romantic heroes often had. The witty, weary driver in Shoojit Sircar's *Piku* reminded me of Chatterjee's droll comedies like *Basanta Bilap* and *Baksha Badal*. My last selection may get me banned from West Bengal, but Uttam Kumar would suit the ego and frantic pace of Dibakar Banerjee's *Detective Byomkesh Bakshi!* brilliantly, even though it's a very different style of Bakshi than what he played under Ray in *Chiriyakhana*. Kumar didn't do nervous and edgy very often, but when he did it was a treat to watch.

101. Why does the author think that Kumar and Chatterjee's style is not suited for modern films?
- The films right now require much more thoughtfulness and finesse.
  - The characters they played have no place in modern cinema.
  - They were comfortable with women as lead unlike most of the modern films.
  - There is a difference in the content and tone and also because of the artificialness of the modern films.
  - The pace of the movies is not suitable.
102. Which statement(s) is/are true regarding their contrasting styles?
- Both played romantic, righteous, and dutiful leading men but never in the same way.
  - In Tapan Sinha's *Jhinder Bondi*, an adaptation of *The Prisoner of Zenda*, Kumar plays the bluffing yet confident duplicate king (as well as the imprisoned real ruler whose debauched lifestyle does not permit him to function); Chatterjee plays the sneering antagonist.
  - Their styles are completely unrelated to macho action movies and to the straining, almost artificial, drama of some art films.
- Only (i).
  - Only (ii).
  - Both (i) and (ii).
  - Both (i) and (iii).
  - All are true.
103. What was the difference in Soumitra Chatterjee's style compared to that of Uttam Kumar?
- Soumitra Chatterjee was calmer than Uttam Kumar.

b) Uttam Kumar lacked finesse and articulation unlike Soumitra Chatterjee.

c) Soumitra Chatterjee liked to experiment in his characters while Uttam Kumar always played romantic characters.

d) Soumitra Chatterjee was more about constant analysing and thoughtfulness unlike Kumar's ease.

e) Kumar didn't do nervous and edgy very often

104. What can be the most suitable title for this passage?
- History of Bengali cinema.
  - Yesterday's heroes in present times.
  - Two moods of Bengali cinema.
  - Contrasting styles of Uttam Kumar and Soumitra Chatterjee.
  - Influence of Uttam Kumar and Soumitra Chatterjee in today's films.
105. How is the rich range of character actors in Bengali cinemas between 1950s and '70s differs from the present time?
- The actors today are not as thoughtful and analyzing as in those days.
  - There weren't many versatile actors as there were only two major heroes between 1950s and '70s.
  - The variation between the lead and the others weren't as sharp as it is now.
  - The actors were not uncomfortable with women as the lead.
  - None of these.
106. Which statement(s) is /are false regarding the influence of Uttam Kumar and Soumitra Chatterjee?
- Their styles are completely unrelated to macho action movies and to the straining, almost artificial, drama of some art films.
  - Kumar is still evoked as a romantic figure. A metro station in Kolkata was renamed for him while Chatterjee is active in Bengali theatre and cinema.
  - There are similarities between Bengali movies between '50s and '70s and movies that are made today by Bengali directors in Hindi cinema.
- Only (i).
  - Both (i) and (ii)
  - Only (iii)
  - Both (i) and (iii)
  - None of these.
- Directions (107-108):** Choose the word/group of words which is **MOST SIMILAR** in meaning to the word/ group of words printed in bold as used in the passage.
107. **WISTFULNESS**
- Shallow
  - Cheerful
  - Happy
  - Negligent
  - Yearning
108. **BROODING**
- Thoughtless
  - Pensive
  - Ignoring
  - Disregarding
  - Miserable

**Directions (109-110):** Choose the word/group of words which is **MOST OPPOSITE** in meaning of the word/ group of words printed in bold as used in the passage.

109. **SNEERING**

- a) Derisive                      b) Mocking                      c) Sardonic  
d) Compliment                      e) Contemptuous

110. **EMBODIED**

- a) Conceal                      b) Demonstrate                      c) Epitomize  
d) Exhibit                      e) Exemplify

**Directions (111-120):** Read the passage carefully and answer the questions given below it. Certain words/ phrases are given in bold to help you locate them while answering some of the questions.

Another Satoshi has bitten the dust. On May 2nd Craig Wright, an Australian entrepreneur, published on his blog what he claimed was proof that he is Satoshi Nakamoto, the mysterious creator of Bitcoin, a cryptocurrency. Within 90 minutes the post had been debunked on Reddit, an online forum. He then said that he would present “extraordinary proof” that he is indeed Mr Nakamoto by moving some Bitcoin from accounts thought to be under control of the currency’s creator. But on May 5th he wrote on his blog that he did not have the strength to continue trying to prove his identity, prompting most to add his name to the long list of false leads in the hunt for Mr Nakamoto.

In October 2008 somebody who went by that name posted an academic “white paper” online, outlining the design of a cryptocurrency the author dubbed Bitcoin. The following January the same person switched on a system like the one outlined in the paper. But nobody, not even his closest collaborators, ever met Mr Nakamoto in person. They communicated with him only electronically. And a couple of years into the project, he stopped joining in. “I have moved on to other things,” he wrote in April 2011. Except for a few messages, most of which are believed to be hoaxes, he has not been heard from since. The invention that underlies the currency, called the “blockchain”, is widely considered brilliant. That Mr Nakamoto has not basked in its glory suggests an overwhelming desire for privacy. Nor does Mr Nakamoto seem to be motivated by fortune: all Bitcoin in circulation are now worth about \$7 billion. Mr Nakamoto is thought to hold more than 1m Bitcoin, worth about \$450m at current rates.

Mr Nakamoto’s reclusiveness has given rise to a cottage industry of Satoshi-hunters. In December 2015 it was Mr Wright’s turn to be outed: hackers leaked some of his e-mails and documents. But holes soon started to appear in that story, too. SGI, a maker of supercomputers, for instance, denied that it had ever done business with one of his firms, Cloudcroft. After a raid by Australian tax officials on his house in Sydney, many came to believe that the entire story was an elaborate hoax, perhaps one staged by Mr Wright himself.

Soon afterwards Mr Wright moved to London, where one of his companies has an office, but kept silent—until late March, when his public-relations agency contacted three media outlets, including *The Economist*, saying that Mr Wright wanted to refute claims that he had made the story up and to offer cryptographic proof that he is indeed Mr Nakamoto. Although he gave us a demonstration that seemed to show that he is in possession of cryptographic keys which only Mr Nakamoto should have, important questions remained. In particular, Mr Wright was unwilling to use his keys to sign digitally a message provided by us, which would have been stronger, although not absolutely watertight, evidence that he is Mr Nakamoto. Others were convinced by his claim, however. Gavin Andresen, Mr Nakamoto’s successor as the leading developer of Bitcoin’s software, confirmed in an interview that he had met Mr Wright and thought his proof was valid—an endorsement that lent **credence** to his claim. This week Mr Wright published a blog post which he had promised would not only describe the proof in detail, but also provide data to allow it to be independently verified. But the post turned out to be an exercise in **obfuscation**: he laid out a very complicated way of proving his identity and provided as cryptographic proof a string of numbers that is publicly available.

This bungled self-outing provoked head-shaking among Bitcoin gurus: if Mr Wright was indeed Mr Nakamoto, surely he could provide more convincing evidence? Mr Andresen, too, was **flabbergasted** by the blog post and later said that it was a mistake to endorse Mr Wright’s claim before reading it. Faced with much ridicule, Mr Wright backed out. “I believed that I could do this,” he wrote in a new post. “I believed that I could put the years of anonymity and hiding behind me. But, as the events this week unfolded and I prepared to publish the proof of access to the earliest keys, I broke”.

The most obvious explanation for Mr Wright’s erratic behaviour is that he is indeed an imposter—and does not have the access to Mr Nakamoto’s keys. But things may be more complicated. One theory holds that Mr Wright was only one of a group of inventors of Bitcoin. Ian Grigg, another Bitcoin expert, recently wrote: “It is true that Craig is the larger part of the genius behind the team, but he could not have done it alone.” Two possible members of that team, Hal Finney and Dave Kleiman, have died. In other words, the Satoshi saga will go on. In the meantime the bitcoin community remains divided into two competing camps with different views about how the currency should evolve. One side wants to keep it smallish and pure; the other is pushing for it to grow rapidly, even if this means turning it into something more like a conventional payment system. The controversy has dragged on for months because Bitcoin lacks institutions to reach and impose a decision. The “civil war”, as some call it, has already slowed Bitcoin down, says Jeff Garzik, another influential developer and co-founder of Bloq, a Bitcoin startup. If the **strife** continues, another cryptocurrency may well

supersede Bitcoin—in which case the effort to establish Satoshi's true identity will become academic.

111. Which of the following statement(s) is/are true about Bitcoins?
- The cryptography designed by Nakamoto is dubbed as Bitcoin.
  - It is a brilliant invention that underlines the currency.
  - Bitcoin is a startup which is now proved to be started by Mr Craig Wright.
- a) Only (i).                      b) Both (i) and (ii).  
c) Both (i) and (iii).      d) Only (ii).                      e) All of these.
112. What according to author do we know about Mr Nakamoto that is definitely true?
- He stopped community after April 2011.
  - Bloq will now supersede Bitcoin in few years.
  - Mr Wright is the actual Nakamoto.
  - Mr Nakamoto has an overwhelming desire for privacy.
  - Mr Andresen is the only one who knows about the true identity of Nakamoto.
113. What is the main concern of the given passage?
- To explain the discovery and history about Bitcoins.
  - To explain the future of Bitcoin if the "civil wars".
  - To study the authenticity of the claims made by Mr Wright.
  - To disclose the true identity of Mr Nakamoto.
  - Importance of Bitcoins.
114. What can be the most suitable title for the given passage?
- Wright's wrongs: The quest continues.
  - Mr Wright an imposter.
  - Bitcoin: a brilliant invention.
  - "Civil War"
  - Another Santoshi bites the dust.
115. Why did the controversy continued for so long?
- As the claims by Mr Wright were legitimate.
  - Mr Wright moved to London soon afterwards which delayed the process.
  - Bitcoin lacks institutions to reach and impose a decision.
  - Because other startups wanted it to continue so that it can cause its downfall.
  - Since Mr Wright was an imposter.
116. Which of the following statement(s) lent credence to Mr wright's claims.
- He gave us a demonstration that seemed to show that he is in possession of cryptographic keys which only Mr Nakamoto should have.
  - Gavin Andresen confirmed in an interview that he had met Mr Wright and thought his proof was valid.
  - Mr Wright was willing to use his keys to sign digitally a message provided.
- a) Only (i).                      b) Both (ii) and (iii).  
c) Only (ii).                      d) Both (i) and (ii).  
e) All of these.

**Directions (117-118):** Choose the word/group of words which is **MOST SIMILAR** in meaning to the word/ group of words printed in bold as used in the passage.

117. **CREDENCE**

- a) Certitude                      b) Incredulity                      c) Disenchantment  
d) Incertitude                      e) Uncertainty

118. **OBFUSCATION**

- a) Unravel                      b) Becloud                      c) Decipher  
d) Decode                      e) Analyze

**Directions (119-120):** Choose the word/group of words which is **MOST OPPOSITE** in meaning of the word/ group of words printed in bold as used in the passage.

119. **FLABBERGASTED**

- a) Dumbfounded                      b) Astounded                      c) Unruffled  
d) Disconcert                      e) Astound

120. **STRIFE**

- a) Dissent                      b) Friction                      c) Variance  
d) Schism                      e) Accord

**Directions (121-125):** Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No error', the answer is e). (Ignore errors of punctuation, if any.)

121. I may go to the (a)/swimming class tomorrow (b)/if I have recovered (c)/from the cold. (d)/No error (e).
122. As soon as the CEO (a)/entered the office, the (b)/union leaders approached him (c)/ and (c)/and report the matter to him. (d)/No error (e).
123. In spite of the best governmental efforts, (a)/emission of greenhouse gases (b)/and noxious chemicals (c)/remain a cause of worry.(d)/No error (e).
124. The rate of metabolism of (a)/ a body is comparatively lowest when (b)/it is at rest and is (c)/ thus, optimum for examination.(d)/No error (e).
125. The recent election campaign (a)/has been one of (b)/the most noisiest campaigns (c)/in the last decade. (d)/No error (e).

**Directions (126-130):** Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- A. This is the result of a growing consensus that far from being a harm-free alternative as claimed by industry lobbies, e-cigarettes could sooner or later lure consumers to take up the real thing.
- B. In the U.S., e-cigarettes cannot be sold to people under 18 years of age.
- C. In tandem with the latest restrictions on how cigarettes are packaged, the EU and the U.S. have clamped down on the sale of electronic cigarettes.
- D. Curiously, it was when the new nicotine-based substitute began to make inroads that some tobacco giants were more

willing to acknowledge the toxic chemicals and carcinogens released while smoking.

- E. That ruling may still be some time away. But the public health campaign must continue apace with the enforcement of extensive curbs on smoking in public spaces.
- F. However, they continue to pin their hopes on a challenge at the WTO, which they are fighting together with countries that have strong interests in the tobacco crop.

**126.** Which of the following should be the **FIRST** sentence after rearrangement?

- (a) A (b) B (c) C (d) D (e) E

**127.** Which of the following should be the **SECOND** sentence after rearrangement?

- (a) A (b) B (c) C (d) D (e) E

**128.** Which of the following should be the **THIRD** sentence after rearrangement?

- (a) A (b) B (c) C (d) D (e) E

**129.** Which of the following should be the **FOURTH** sentence after rearrangement?

- (a) A (b) B (c) C (d) D (e) E

**130.** Which of the following should be the **SIXTH (last)** sentence after rearrangement?

- (a) A (b) B (c) C (d) D (e) E

**Directions (131-140):** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningful.

The **(131)** of the aattukkal in the kitchen ended when the mixer-grinder came into the market in the latter part of the 20th century. Since the **(132)** of the mixie, as it was affectionately called, the ammikkal also found a place in the attic. Of course it **(133)** to be used in marriage rituals. And the *kozhavi* also has a purpose now outside of the kitchen.

During valaikappu ceremony (formal bangle-wearing ritual a few weeks before the delivery of a child), a childless couple is made to sit in front of the pestle kept on a mat, symbolising a baby, and the girl is asked to place drops of milk from a cup on it, as if feeding the baby. This ritual is **(134)** to be a sort of blessing for the couple to beget a child soon.

Coming back to the mixer, till the time other brands **(135)** up, there was one that reigned supreme in Indian kitchens. And the ladies started using the wet grinding jar to make idli dough. But it was soon found that the idlis made with mixer dough left much to be desired in terms of taste and **(136)** though it was good enough for the dosa. As they say **(137)** is the mother of invention — soon the wet grinder came into existence. One had only to put the rice and dal by turns, and switch it on, adding water at **(138)**

intervals, and the grinder started working for you. The stones **(139)** in the grinder would turn the dal and rice into a fine paste of the desired consistency. Then came the tough part of **(140)** the dough from the machine; it had to be done scoop by scoop. Washing the drum was another job.

- 131.** (a) Dynasty (b) Reign (c) Empire  
(d) Ascendancy (e) Control

- 132.** (a) Advent (b) Emergence (c) Origin  
(d) Entrance (e) Departure

- 133.** (a) Remains (b) Retains (c) Persist  
(d) Prolongs (e) Continues

- 134.** (a) Speculated (b) Imagined (c) Judged  
(d) Supposed (e) Understood

- 135.** (a) Turned (b) Caught (c) Went  
(d) Came (e) Come

- 136.** (a) Need (b) Requirement (c) Urgency  
(d) Necessity (e) Texture

- 137.** (a) Stiffness (b) Structure (c) Necessity  
(d) Arrangement (e) Cooking

- 138.** (a) Non-stop (b) Frequent (c) Usual  
(d) Familiar (e) Redundant

- 139.** (a) Given (b) Put (c) Provided  
(d) Turned (e) Granted

- 140.** (a) Holding (b) Catching (c) Receive  
(d) Collecting (e) Composing

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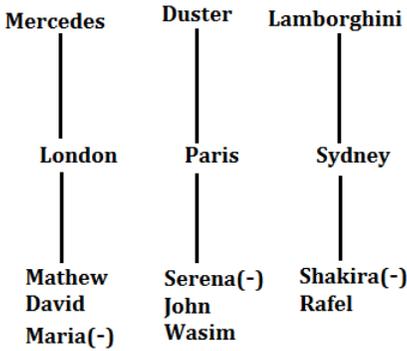
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**SOLUTIONS:**

**Direction (1-5):**

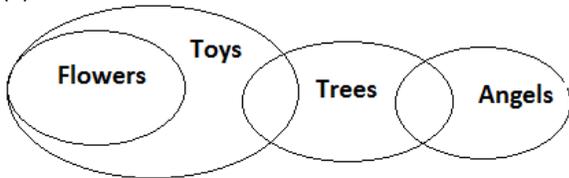


(-) sign denotes female members

1. (b)
2. (b)
3. (b)
4. (c)
5. (d)

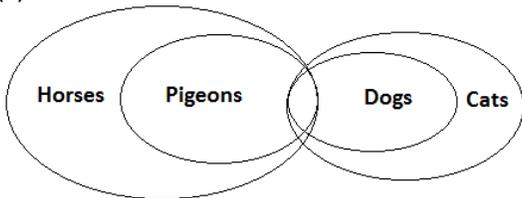
**Direction(6-10):**

6. (e)



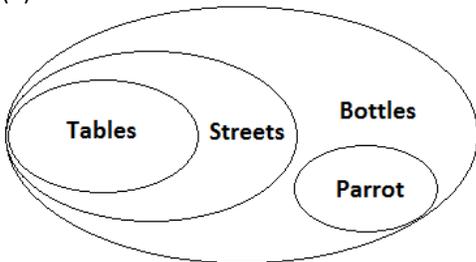
None follows.

7. (a)



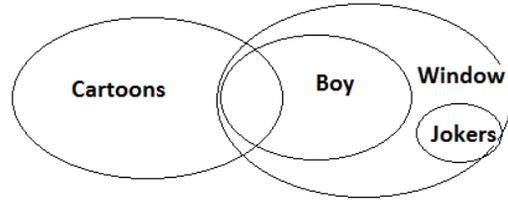
All follows.

8. (d)



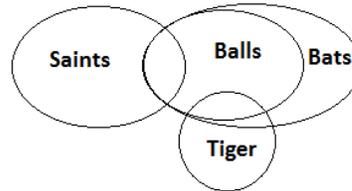
II and III follow.

9. (b)

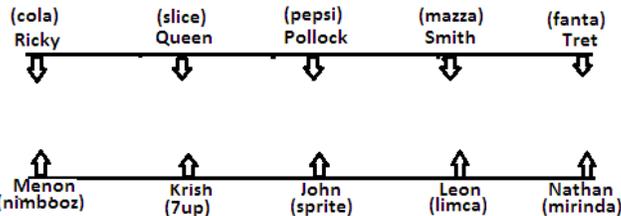


Only II follows.

10. (c)



**Direction(11-15):**



11. (a)
12. (d)
13. (c)
14. (b)
15. (d)

**Direction(16-20):**

16. (d) : Information given in the statement is not sufficient to conclude this conclusion, so we can't say anything about it.
17. (d) : The conclusion drawn is not related to statement so it is irrelevant
18. (a): Conclusion is definitely true:
19. (c): There may be oxygen in the cylinder and may not be.
20. (a): People are unable to have their own house due to rising cost of land and construction material.

**Direction (21-25)**

**Input : 64 jack queen 42 ear 84 lost 52 dear 76 gone 48**

- Step I : 42 64 jack queen ear lost 52 dear 76 gone 48 84  
 Step II : 42 48 64 jack queen ear lost 52 dear gone 7684  
 Step III : 42 48 52 jack queen ear lost dear gone 64 7684  
 Step IV : 42 48 52 dear jack queen ear lost gone 64 7684  
 Step V : 42 48 52 dear ear jack queen lost gone 64 7684  
 Step VI : 42 48 52 dear ear gone jack queen lost 64 7684  
 Step VII : 42 48 52 dear ear gone jack lost queen 64 7684

21. (d)
22. (c)
23. (d)
24. (b)
25. (a)

**Direction(26-30):**

Person	Floor	Colour of car
Alisa	6	Yellow
Bruce	9	Blue
Cruise	1	Grey
Denial	4	Orange

Eagle	2	White
Francos	7	Green
Gayle	5	Red
Honey	8	Black
Jocky	3	Pink

26. (d) 27. (e) 28. (c) 29. (d) 30. (a)

**Direction(31-35):**

31. (e) Divyaraj was born on "July".

32. (e) From I= red → pe

From II= roses → ti

Lovely → la

So the code for 'those' is "so".

33. (c) either I or II is sufficient to answer the question.

From I= 50-35+1= 16<sup>th</sup>

From II= 50-31+1=20<sup>th</sup>

34. (d)

35. (b) From I=we cannot find anything.

From II= we get A C D B

**Direction(36-40)**

> → £

≥ → ·

= → \$

< → @

≤ → #

36. (d) 37. (e) 38. (c) 39. (a) 40. (d)

**Direction(41-45):**

Name of Employee	Department	Channel
Udayan Mukherjee	Marketing	DD
Ravish Kumar	Marketing	BBC
Vikram Chandra	Marketing	AajTak
Menaka Doshi	Finance	Sony
Arnab Goswami	Finance	NDTV
Barkha Dutt	Finance	Star
Gaurav Kalra	Production	ESPN
Abhigyan Prakash	Production	Zee

41. (c) 42. (c) 43. (b) 44. (e) 45. (a)

**Direction(46-50):**

46. (e) : The Director asserts that computerization is essential to maintain the present state of affairs in future. This means that the Institute will lag behind in the absence of computerization. This in turn implies that the functions of the Institute are two cumbersome and time-consuming and can be handled in time only through computers. So, both I and II are implicit.

47. (a) : The statement mentions that the seller does not keep product X in ready stock and intends to provide the sand only against a confirmed order from the customer. So, I is implicit. However, II appears to be vague in this context.

48. (a) : Clearly, job is offered to an engineer. This means that he is needed. So, I is implicit. The word 'If' in the statement makes II not implicit.

49. (e) : The concept of Plus Coffee Shops has been attracted to draw in more customers by providing a calm, soothing, musical environment along with a wide variety of breakfast. So, both I and II are implicit.

50. (d) : Such decisions are implemented by the government as laws, which are binding on both the employers and the employees. So, neither I nor II is implicit.

51. (e); Average salary =  $\frac{100 \times 430000}{1600} = 26875$

52. (b); Number of employees in :

PNB = 1600

OBC = 1700

SBI = 2100

53. (e); Required ratio = 15000×600 : 35000 × 900  
= 2 : 7

54. (e); Required percentage =  $\frac{400}{600} \times 100$   
= 66 $\frac{2}{3}$  %

55. (b); Required percentage =  $\frac{20000 \times 900}{25000 \times 800} \times 100 = 90\%$

56. (d); 11 = 2 × 3 + 5

38 = 11 × 4 - 6

197 = 38 × 5 + 7

1172 ≠ 197 × 6 - 8

∴ 1172 is wrong

57. (a); 107 - 71 = 36 = 6<sup>2</sup>

71 - 46 = 25 = 5<sup>2</sup>

46 - 30 = 16 = 4<sup>2</sup>

30 - 21 = 9 = 3<sup>2</sup>

21 - 19 = 2 ≠ 2<sup>2</sup>

∴ 19 is the wrong number

58. (d); 7 + 9 = 16

9 + 16 = 25

16 + 25 = 41

25 + 41 = 66 ≠ 68

∴ 68 is the wrong number

59. (c); 4 × 0.5 = 2

2 × 1.5 = 3 ≠ 3.5

3 × 2.5 = 7.5

7.5 × 3.5 = 26.25

26.25 × 4.5 = 118.125

∴ 3.5 is the wrong number

60. (b); 16 × 0.25 = 4

4 × 0.50 = 2

2 × 0.75 = 1.5

1.5 × 1 = 1.5 ≠ 1.75

1.5 × 1.25 = 1.875

∴ 1.75 is the wrong number

61. (a); 4x<sup>2</sup> - 43x + 105 = 0

⇒ x = 7, 3.75

$$7y^2 - 29y + 30 = 0$$

$$\Rightarrow y = 2.14, 2$$

$$\Rightarrow x > y$$

62. (d);  $x^2 + 13x + 40 = 0$

$$\Rightarrow x = -5, -8$$

$$y^2 + 7y + 10 = 0$$

$$\Rightarrow y = -2, -5$$

$$\Rightarrow y \geq x$$

63. (d);  $x = \sqrt[3]{2197} = 13$

$$2y^2 - 54y + 364 = 0$$

$$\Rightarrow y = 14, 13$$

$$\therefore x \leq y$$

64. (a);  $5x^2 - 27x + 36 = 0$

$$\Rightarrow x = 3, 2.4$$

$$y^2 - 3y + 2 = 0$$

$$\Rightarrow y = 1, 2$$

$$\therefore x > y$$

65. (c);  $x = -5, y = 2$

$$\Rightarrow x < y$$

66. (c); Ratio of capitals of A, B and C

$$= (16000 \times 3 + 11000 \times 9) : (12000 \times 3 + 17000 \times 9) : (21000 \times 6)$$

$$= 7 : 9 : 6$$

$$B's \text{ share} = \frac{9}{22} \times 26400 = \text{Rs } 10800$$

$$C's \text{ share} = \frac{6}{22} \times 26400 = \text{Rs } 7200$$

$$\therefore B's \text{ share exceeds } C's \text{ share by Rs } 3600.$$

67. (d); Present price of 1kg of the commodity = 115% of the former price of 1 kg.

$$= \frac{23}{20} \text{ of the former price of } 1 \text{ kg.}$$

$$\Rightarrow \text{Former price of } 1 \text{ kg} = \frac{20}{23} \text{ of present price of } 1 \text{ kg}$$

$$= \text{Present price of } \frac{20}{23} \text{ kg.}$$

$$\Rightarrow \text{Reduction in consumption} = \frac{1 - \frac{20}{23}}{1} \times 100 = \frac{3}{23} \times 100 = 13 \frac{1}{23} \%$$

68. (c); Let Ashok had Rs. x initially

According to the question :

$$\frac{2}{5}x \times \frac{1}{4} - 200 = 600$$

$$\Rightarrow x = \text{Rs } 8000$$

69. (c); Correct average weight =  $74.5 + \frac{65-56}{9}$

$$= 75.5 \text{ kg}$$

70. (b); Let father's present age = f years

Son's present age = s years

According to the question :

$$f + s = 45$$

$$(f - 5)(s - 5) = 4(f - 5)$$

$$\Rightarrow s = 9$$

$$\Rightarrow \text{Father's Present age} = 45 - 9$$

$$= 36 \text{ years}$$

71. (a); Let the C.P. of the chair be Rs x.

According to the question :

$$\frac{\left(\frac{115x}{100} + 160\right) - \left(\frac{85x}{100}\right)}{\frac{85x}{100}} \times 100 = 40$$

$$\Rightarrow x = \text{Rs. } 4000$$

72. (c); Principal =  $\frac{900 \times 100}{18} = \text{Rs } 5000.$

If the interest is compounded annually :

$$C.I. = 5000 \left[ \left(1 + \frac{6}{100}\right)^3 - 1 \right]$$

$$= \text{Rs. } 955.08$$

$$\text{Difference} = \text{Rs } 55.08$$

73. (c); Amount of wine left =  $125 \left(1 - \frac{25}{125}\right)^3$

$$= 125 \times \frac{64}{125}$$

$$= 64 \text{ litres}$$

74. (e); 25 men and 15 women can complete the work in 12 days.

$$\therefore \text{work done by them in } 8 \text{ days} = \frac{8}{12} = \frac{2}{3}$$

$$\text{Remaining work} = \frac{1}{3}$$

$$\frac{1}{3} \text{ work is completed by } 25 \text{ men in } 6 \text{ days}$$

$$\Rightarrow 25 \text{ men will take } 18 \text{ days to complete the whole work.}$$

$$\text{So, } 1 \text{ day's work of } 25 \text{ men} = \frac{1}{18}$$

$$\Rightarrow 1 \text{ day's work of } 15 \text{ women} = \frac{1}{12} - \frac{1}{18} = \frac{1}{36}$$

$$\Rightarrow 15 \text{ women will take } 36 \text{ days to complete the entire job}$$

75. (d); According to the question,

Part of tank filled in 10 minutes

$$= \left(\frac{1}{24} + \frac{1}{30}\right) \times 10$$

$$= \frac{3}{4}$$

If all the pipes are opened together,

$$\text{Part of tank filled in } 1 \text{ minute} = \left(\frac{1}{24} + \frac{1}{30} - \frac{1}{12}\right) = \frac{-1}{120}$$

$$\Rightarrow \text{part of tank emptied in } 1 \text{ minute} = \frac{1}{120}$$

$$\text{Time taken to empty the tank} = \frac{3}{4} \times 120$$

$$= 90 \text{ minutes}$$

76. (a);  $\frac{20\% \text{ of } 2040}{20\% \text{ of } 1450} = 204:145$

77. (e); 12% of 1450 = 174

78. (c); No of children in village M and N together

$$= (25 + 10)\% \text{ of } 2040 = 714$$

No of children attending school from village M and N together

$$= (30 + 12)\% \text{ of } 1450 = 638.$$

$$\text{Required No. of Children} = 714 - 638 = 76$$

79. (c); 55 % of 2040 = 1122

80. (e); Required percentage =  $\frac{1450 \times \frac{14}{100}}{2040 \times \frac{15}{100}} \times 100 \cong 66\%$

81. (a);  $\frac{54200 \times 31}{100} : \frac{65250 \times 28}{100} = 8401:9135$

82. (d);

City	No. of children
P	12571

Q	8040
R	11924
S	8884
T	11745
U	12496

83. (e);  $\frac{56.8}{301.8} \times 100 \approx 19\%$

84. (c);  $\frac{44.42 \times 45\%}{48.35 \times 36\%} \times 100 = 114.84$

85. (b);  $\frac{18373+14472+25474+15547+35235+30104}{6} \approx 23200.$

86. (a);  $A + B + C = 361$

A	B	C
3	2	2
3	3	2

$A : B : C = 9 : 6 : 4$

A scored =  $\frac{9}{19} \times 361 = 9 \times 19 = 171$

87. (c);

A	B
7	5
7 × 1	7 × 1 2
7	7

2 units → 9

14 units → 9 × 7 = 63

= 63 litres

Initially total quantity

Liquid A =  $\frac{7}{12} \times 63 = 36\frac{3}{4}$  litres

88. (c);

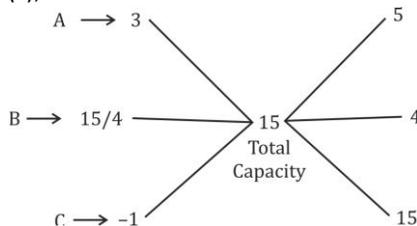
89. (c); By using MDH formula

$\frac{25 \times 24}{\frac{1}{3}} = \frac{(25+x) \times 12}{\frac{2}{3}}$

$\frac{50 \times 24}{12} = 25 + x$

$x = 75$  men

90. (c);



A fills till 3 pm =  $5 \times 2 = 10$  units

B fills till 3 pm =  $4 \times 1 = 4$  units

Total filled = 14 units

Net pipe C efficiency after 3 pm =  $15 - 9 = 6$  units / hrs

Tank will be emptied in =  $\frac{14}{6} = 2$  hr 20 min

91. (c);  $\frac{22 \times 48640}{20 \times 42980} \times 100 = 125\%$  (approx)

92. (e); % of D-type employees in 1998 =  $\frac{5000}{48640} \times 100 \approx 10\%$

93. (a); B

94. (a); Req. difference =  $\frac{10}{100} \times 48640 - \frac{6}{100} \times 42980 = 2285$  (approx)

95. (d);  $\frac{22}{100} \times 48640 = 10700$  (approx)

$\frac{10700}{42980} \times 100 = 25\%$  (approx)

$C + D = 10 + 15 = 25\%$

96. (e);  $2(L + b) = 60$

$L + b = 30$  .....(i)

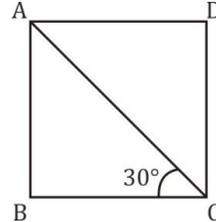
II. In  $\Delta ABC$

$\tan 30^\circ = \frac{b}{L} \therefore L : b = \sqrt{3} : 1$

Combining I and II, we get the value of  $L \approx 19$  and  $b \approx 11$  m

$\therefore$  Area of rectangle =  $19 \times 11 = 209$  m<sup>2</sup>

III. Cost = Rs. 125 per square metre



97. (e); If 8 men and 6 women can complete the work in 21 days, then  $1.5(8m + 6w) = 12m + 9w$  can complete the work in  $\frac{21 \times 2}{3} = 14$  days.

Hence, no further information is required.

98. (e)

99. (b)

$2 : A \Rightarrow \frac{P+M+C}{3} = 71$  .....(i)

$B \Rightarrow C + P = 142$  .....(ii)

$C \Rightarrow P + M = 162$  .....(iii)

From (i) & (iii)  $C = 71 \times 3 - 162 = 51$

Therefore for answering the question only statements (A) and (C) are required.

100.(d)

$\Rightarrow$  Selling price =  $(100 - 20) = 80\%$  of Rs. 812.50 = Rs. 650

Profit percentage =  $\frac{Profit}{CP(SP-Profit)} \times 100$

As the profit is already given, if either CP or SP is known. Profit percentage can be obtained.

So, the answer is (4).

101.(d);Refer to the paragraph 5th "their styles are completely unrelated to macho action movies and to the straining, almost artificial, drama of some art films" which is the correct reason.

102.(e);Refer to the 3rd and 5th paragraph all the statements are given in these paragraph thus all are true.

103.(d);Refer to the 2nd paragraph of the passage "Brooding has never been executed with so much empathy and depth as it was by Chatterjee, a contrast to Kumar's ease".

104.(c);It is the correct title as this passage is about the two gems of Bengali cinemas.

105.(c);Refer to the 4th paragraph of the passage "the distinctions between the hero and others weren't as sharp as we — or marketers — tend to think of them today" the author is silent

about the versatility of the Bengali actors hence (b) is not the correct option.

- 106.(e);None of these are false last paragraph clearly states each of the given statements.
- 107.(e);**Wistful** means having or showing a feeling of vague or regretful longing ,yearning is similar in meaning.
- 108.(b); **Brooding** means engaged in or showing deep thought about something that makes one sad, angry, or worried. Pensive is the word most similar in meaning.
- 109.(d);**Sneering** means smile or speak in a contemptuous or mocking manner. Complimenting is the most opposite in meaning.
- 110.(a);**Embody** means be an expression of or give a tangible or visible form to (an idea, quality, or feeling),conceal is the most opposite in meaning.
- 111.(b); Refer to the 2nd paragraph it is given that "an academic "white paper" online, outlining the design of a cryptocurrency the author dubbed Bitcoin"and the statment "the invention that underlies the currency, called the "blockchain", is widely considered brilliant proves (ii) and (i) while (iii) is not proved yet.
112. (d); Refer to the second paragraph it is given that "Mr Nakamoto has not basked in its glory suggests an overwhelming desire for privacy" while other statements thugh are given are not definitely true like in option (a) it is said that many believes but it is clearly not specified if it is the author's view.
- 113.(c);The whole passage is dedicated to Mr wright's claim on being the inventor of the Bitcoin.
- 114.(a);It is the most suitable title as whole almost all the passage is about Mr Wright's claim and how it is almost certain he isn't so the quest goes on.
- 115.(c);Refer to the last passage it is given "Bitcoin lacks institutions to reach and impose a decision".
- 116.(d);Refer to the paragraph 4th "although he gave us a demonstration that seemed to show that he is in possession of cryptographic keys which only Mr Nakamoto should have" and it is also given that "Gavin Andresen, Mr Nakamoto's successor as the leading developer of Bitcoin's software, confirmed in an

interview that he had met Mr Wright and thought his proof was valid—an endorsement that lent credence to his claim" while the third statement is definitely wrong.

- 117.(a);**Credence** means belief in or acceptance of something as true, certitude is the word similar in meaning.
- 118.(b);**Obfuscate** means to make (something) more difficult to understand, Becloud is the most similar in meaning.
- 119.(c);**Flabbergasted** means surprise (someone) greatly; astonish, while unruffled means calm.
- 120.(e);**Strife** means angry or bitter disagreement over fundamental issues, while accord means be harmonious or consistent so there is a similarity in the meaning.
- 121.(c);Replace 'have recovered' with 'recover'.
- 122.(d); Replace 'report' with 'reported'.
- 123.(d);'Remain' should be replaced 'remains' as the subject (emission) is singular.
- 124.(b);Replace 'lowest' with 'low' as we use positive degree after comparatively.
- 125.(c);Replace 'noisiest' with 'noisy' as use of double superlative at a time is not grammatically sound.

**For question (126-130):** The current sequence is **CBADFE**.

- 126.(c); C  
127.(b); B  
128.(a); A  
129.(d); D  
130.(e); E

**Solution for question (131-140)**

- 131.(b)  
132.(a)  
133.(e)  
134.(d)  
135.(b)  
136.(e)  
137.(c)  
138.(b)  
139.(c)  
140.(d)

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