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COMPETITION POWER

Your Guide to Government Jobs & All other Competitive Exams

August 2016 - ₹ 40

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इसरो ISRO



What's There

G.K. Hindu Review: June

Current Affairs Zinger: May

HANDY NOTES :

- Simple Interest

- Height and Distances

- Inequalities Part-II

- Computer Terminologies

- Must do Banking Awareness

- Mughal Dynasty in one liner

- GA Tricky Notes

- Twisted Ones

- RC's for SBI PO Mains

PRACTICE SETS:

- SSC CGL 2016

- IBPS PO PRELIMS

- IBPS PO MAINS

- SBI PO MAINS

- SBI Clerk Prelims Memory Based Mock

Newsmakers

- ⇒ A look at the Prime Minister Modi's Five-nation visit
- ⇒ ISRO created History by launching 20 satellites
- ⇒ Novak Djokovic Wins French Open 2016
- ⇒ Ceat Cricket Awards 2015-16 Announced
- ⇒ Sunrisers Hyderabad Win IPL 2016 Season 9 Title

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From the Editor's Desk

Dear Readers,

Bankers Adda in collaboration with Career Power brings to you **Competition Power (August 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 **June** but also for the month of **May** 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 PO Mains Practice Set, SBI Clerk Prelims Memory Based Mock, IBPS PO Mains Practice Set, IBPS PO Prelims 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 !!

WHAT'S THERE?

- **Motivational Artilces | 4, 43**
- **Success Story | 8**
- **Handy Notes :**
 - **Simple Interest | 36**
 - **Inequalities Part-II | 39**
 - **Computer Terminologies | 42**
- **Must do Banking Awareness | 40**
- **Mughal Dynasty in one liner | 41**
- **GK Hindu Review : June | 44**
- **GA Trickky Notes | 51**
- **Current Affairs Zinger : May | 52**
- **Twisted Ones | 61-67**
- **RC's for SBI PO Mains | 68-71**

NEWSMAKERS OF THE MONTH | 5-8

CURRENT AFFAIRS | 9-35

India In News | State In News | News From The Banking Sector News
Related To Indian Economy | Business News | Agreement | Mou Signed
| Committees In News |
Ranks And Reports | Pm Visits | New Appointments | Obituaries |
Awards | Defence | Sports News & more

MOCK PAPERS | 72-133

SSC CGL-2016 Practice Set: 72 | IBPS PO Prelims Practice Set: 88
SBI PO Mains Practice Set: 99 | IBPS PO Mains Practice Set: 115
SBI Clerk Prelims Memory Based Mock held on 22nd May: 134

Volume No. -1 August 2016 Issue - 10

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From Arts Graduate To The CHAIRMAN

*Experience is what causes
a person to make new
mistakes instead of old ones*

From the heading itself it is clear that we are talking about a personality who was not related to the Banking industry at all but has reached a height that seemed quite impossible at first. An accidental banker was recognized to head a bank which has proved its worth in the country as one of the top public sector bank.

Yes, friends, you guessed it right. We are talking about the **SBI CMD Arundhati Bhattacharya** who has broken all the barriers of myth and became the first woman CMD of SBI. She started just like we all do as "*Chalo yaar, banking ki vacancies aayi hai.. form fill kar dete hain*" and you know who she has become now.



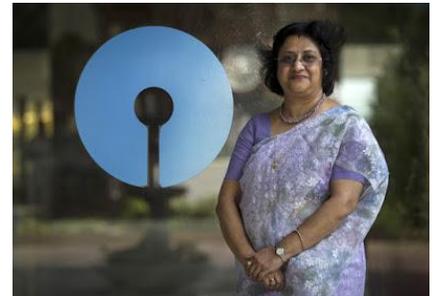
It all started long back ago when a graduate who was a bit worried as well as confused towards the future prospects of her life, appeared for the Probationary Officer Exam in **1977**. An arts graduate who has her interest in **music and literature** has cleared the banking exam and started her career. **Being from Non-Commerce background, she may**

have faced a lot of difficulties but again, she went for it rather than running from it.

Do you know why we are talking about her? Aisa kya hua jo aaj Mrs. Bhattacharya ki baat ho rahi hai?

Friends, as you all know that the tenure of **The RBI Governor, Mr. Raghuram Rajan is going to be over very soon** and The Government is searching for a new face to head the Central Bank of the country. A face that no one objects and acceptable by all the financial institutions just like Rajan was. This could not have been in the dreams of Mrs. Bhattacharya but she may have got a reason to dream bigger. She can be an inspiration for many of us as very few of us are going to bank by choice.

Most of the banking aspirants are from Non-Commerce Background and preparing for banking exam as it has become one of the mass recruitment exam. We have a perfect example in front of us who has managed to become



the head of the pioneer banking organization. "*Aakhir unhone aisa kya kiya jo ham nahi kar paa rahe hai*". **This is something that we have to think over and over again.** No one knows how she overcame all the difficulties but she definitely did it. It was not an easy path but she being a daughter, a mother and a wife has broken all the barriers. There were times in her life when she wanted to quit her job, but she never did.

Friends, it feels good to read about such personalities but it is useless until unless we learn from it. She took the leap of faith and it led her to the right destination. In fact she has opened new possibilities for many of us. Now it is up to us how we learn from it and how we make it useful for us. Now the ball is in your court and you are the only one who can change your life.

NEWS MAKERS OF THE MONTH – JUNE 2016

ISRO created History by launching 20 satellites

Indian Space Research Organisation (ISRO) has created a record with launching 20 satellites in a mission from the Satish Dhawan Space Centre in Sriharikota, Andhra Pradesh by Polar Satellite Launch Vehicle (PSLV) C-34.



The space agency's PSLV C-34 rocket lifted off at 9.25 a.m. from the Second Launch Pad in Satish Dhawan Space Centre, Sriharikota, AP and some 16 minutes later placed Cartosat-2 Series

satellite about 505 km above the Earth's orbit. Within the next 10 minutes, the remaining 19 satellites which includes- LAPAN-A3 (Indonesia), M3MSat (Canada), GHGSat-D (Canada), BIROS (Germany), SkySat Gen2-1 (U.S.), Dove Satellites (U.S.) (a total of 12), Sathyabamasat (Sathyabama University, Chennai), Swayam (College of Engineering, Pune) were eventually placed in the intended orbits which includes two Indian academic institutions.

The total weight of all the 20 satellites carried onboard PSLV-C34 is about 1288 kg. This is the 14th flight of PSLV. The primary satellite in this mission is the Cartosat-2 (Indian) (725.5 kg-weight) which will be used for drawing maps, urban and rural applications, coastal land use and regulation, road network monitoring and water distribution.

A look at the Prime Minister Modi's Five-nation visit

Prime Minister Narendra Modi was on a visit to five-nation from 4th June to 9th June. He started his visit by visiting Afghanistan, followed by Qatar, Switzerland, The US and ended with Mexico. During the visits, he held high-level meetings with **Afghan President- Ashraf Ghani, Amir of Qatar- Tamim Bin Hamad Al Thani, President of Swiss federation- Johann Schneider-Ammann, US President- Barack Obama and Mexican President- Enrique Pena Nieto** on a wide range of bilateral issues and matters of regional and global concern.

1. All about Afghanistan visit :

This was his 2nd trip to Afghanistan in the last six months. During his visit to the nation, he has inaugurated the **Afghanistan-India**

Friendship Dam along with Afghan President Ashraf Ghani. The dam was earlier called as the **Salma Dam**, in Herat province which



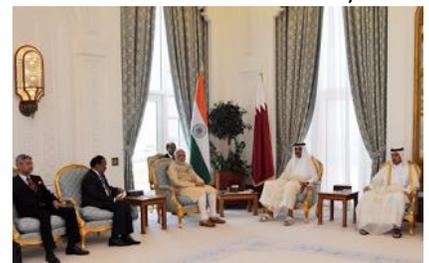
highlights India's continued commitment to Afghanistan's reconstruction and development. The project built by India at a cost **1700 crore** rupees will irrigate 75

thousand hectares of land, generate 42-megawatt power and also supply drinking water to 620 villages. Afghan President Mr. Ghani conferred the **highest civilian honour of Afghanistan, the Amir Amanullah Khan Award on Narendra Modi.**

2. All about Qatar visit

The main agenda of Mr. Modi's two days visit has dominated by energy deals and diaspora issues. This was the fourth country in the Gulf region that Modi has visited, after a visit to UAE last August, Saudi Arabia this April and Iran in May.

It was the first visit by an Indian Prime Minister to Qatar in the last eight years after the then Prime



Minister Manmohan Singh's Doha visit in 2008. During his visit to this nation, both the countries have signed **7 agreements** in various fields. Prime Minister as a rare and special gesture also shared the meal with workers at a medical camp in Doha.

The main agenda on this trip includes:

-Talks with **Emir of Qatar Sheikh Tamim bin Hamad Al -Thani** on a range of bilateral issues including ways to further boost economic ties, particularly in the hydrocarbon sector.

-Meeting with business leaders where the Prime Minister has talked to them about realising the full potential of India's trade and investment cooperation to bring key investments into Indian sectors.

-Meet the father of the Emir after the two sides have signed agreements during the lunch hosted by the Emir.

The MoUs signed between India and Qatar:

1. MoU between National Investment and Infrastructure Fund (NIIF), Ministry of Finance, Government of India and Qatar Investment Authority (QIA),
2. Agreement on Cooperation and Mutual Assistance in Customs Matters between the Government of Republic of India and Government of the State of Qatar,

3. MoU between Financial Intelligence Unit – India (FIU-IND) and the Qatar Financial Information Unit (QFIU) concerning cooperation in the exchange of intelligence related to money laundering, terrorism financing, and related crimes,
4. MoU between the Ministry of Skill Development and Entrepreneurship, the Government of Republic of India and the National Qualifications Authority/Supreme Education Council, Government of the State of Qatar for Cooperation in Skill Development and Recognition of Qualifications,
5. MoU on cooperation in Tourism between the Government of the Republic of India and Government of the State of Qatar,
6. MOU between India & Qatar for Cooperation in the field of Health the Government of the Republic of India and Government of the State of Qatar,
7. The First Executive Programme for MoU in the field of Youth and Sports between the Government of Republic of India and Government of the State of Qatar.

3. All about Switzerland visit

After Qatar, Mr. Modi has visited Switzerland. During the stay, Mr. Modi, and **Swiss President Johann Schneider-Ammann** have held



the discussions on bilateral, regional and multilateral issues of mutual interest. The visit has also marked an impetus to the process of exchanging information

on black money stashed in Swiss banks. The host country also agreed to help India in combating the menace of **black money and tax evasion**. The country agreed to build Swiss style vocational and educational training centres in India that suit India's requirements. During his visit, Mr. Modi has also met with Indian scientists working at CERN in Geneva. **Switzerland supported India's membership in the 48-member Nuclear Suppliers Group (NSG). Switzerland agreed to provide mutual support to India for becoming non-permanent members of the United Nations Security Council.**

4. All about The United States

After Switzerland, Prime Minister Modi has reached at Washington, US, where he has held bilateral talks with US President Barack Obama. Then, he has gone to the Arlington National Cemetery for laying a wreath at the Tomb of the Unknown Soldier and at Space Shuttle Columbia Memorial, where Indian-origin astronaut, Kalpana Chawla lost her life. Then later, He has met the heads of American think tanks and also attended a function involving the



repatriation of cultural property, basically, Indian antiques that are in the US and will be sent back to India. He had also met with business leaders and address the US-India Business Council. Modi had also delivered an **address to the joint meeting of the Congress**, which became the high point of his trip there. He had also addressed a reception jointly hosted by the House and Senate Committees on Foreign Relations and the India Caucus.

The overall tour was also important for strategic and defence ties. The biggest takeaway was with the **United States welcoming India entry into the Missile Technology Control Regime (MTCR)**. The US also recognised India as an important strategic partner in defense which will give India access to better quality and dual-use technology. There was also forward movement on the proposal to set up **six nuclear reactors in India**. In a first, American companies will take part in the Make In India initiative. The CEO's of top American companies talked about investing close to 45 billion dollars in India in the next 3 years after a meeting with Prime Minister Modi.

The Mous signed between India and The US

8. Arrangement between the Multi-Agency Centre/Intelligence Bureau of the Government of India and the Terrorist Screening Center of the Government of the United States of America for the exchange of Terrorist Screening Information,
9. Memorandum of Understanding (MoU) between the Government of India and the Government of the United States of America to enhance cooperation on Energy Security, Clean Energy, and Climate Change,
10. Memorandum of Understanding (MoU) between Government of India and Government of the United States of America to enhance co-operation on Wildlife Conservation and Combating Wildlife Trafficking,
11. Memorandum of Understanding (MoU) between Consular, Passport and Visa Division of the Ministry of External Affairs, Government of India and US Customs and Border Protection, Department of Homeland Security of the United States for the Development of an International Expedited Traveler Initiative (the Global Entry Programme),
12. Technical Arrangement between the Indian Navy and the United States Navy concerning Unclassified Maritime Information Sharing,
13. Memorandum of Understanding (MoU) between the Ministry of Petroleum and Natural Gas, Government of India and the Department of Energy of the United States of America for Cooperation in Gas Hydrates.

Also, India and The US finalized two agreements:

1. Information Exchange Annex (IEA) between the Ministry of Defence, Government of India and the Department of Defense of the United States of America to the Master Information Exchange Agreement concerning Aircraft Carrier Technologies.

2. Logistics Exchange Memorandum of Agreement between the Ministry of Defence, Government of India and the Department of Defense of the United States of America.

5. All about Mexico visit

This was the last stop of his five-nation tour. Mr. Modi has visited this country on the invitation of **Mexican President Enrique Pena Nieto**. This was the first time an Indian Prime Minister had visited Mexico. During the meeting in Mexico, President Nieto and PM Modi have recognised the opportunities to define the path



of the India-Mexico Privileged Partnership for the 21st Century that allows the growth of bilateral relations in economic field, in science and technology and in the most important issues of the global agenda reflecting a broad convergence of long-term political, economic and strategic goals. **After Switzerland and the US, Mexico has supported India's membership of the Nuclear Suppliers Group or NSG, a 48-member club of nations that control trade in advanced nuclear technologies.**

In all Prime Minister Modi took part in more than **40 programs in 6 days while touring 5 nations**. Flagship programs like Make In India, Skill India, and Digital India got a boost during this trip. While India achieved a lot with this tour Prime Minister Modi too left his mark taking the message that India is a power to reckon with on the global stage. The biggest take away from the Prime Ministers Modi's tour is support from these 3 countries for a place for India in the NSG that is the Nuclear Suppliers Group.

Ceat Cricket Awards 2015-16 Announced

The Ceat Cricket Awards 2015-16 honoured outstanding players, who have consistently performed over the year. It was an Englishman who

took away the big prize winning the Ceat international cricketer of the year award, while New Zealand's mighty batting duo of Kane Williamson and Martin Guptill won the test cricketer of the year award



and Ceat ODI batsman of the year award, respectively. While Indian spinner R Ashwin claiming the international bowler of the year prize, while superstar Virat Kohli bestowed with the international T20 player of the year honour.

Below is the full list of Ceat Award winners 2015-16:

- International cricketer of the year** – Joe Root (England)
- International batsman of the year** – Joe Root (England)
- International bowler of the year** – R Ashwin (India)
- Test cricketer of the year** – Kane Williamson (New Zealand)
- ODI cricketer of the year** – Martin Guptill (New Zealand)
- T20 player of the year** – Virat Kohli (India)
- Lifetime achievement award** – Dilip Vengsarkar (India)
- Indian cricketer of the year** – Rohit Sharma
- Domestic cricketer of the year** – Shreyas Iyer
- Young player of the year** – Rishabh Pant

Novak Djokovic Wins French Open 2016

Serbian professional tennis player, Novak Djokovic defeated Andy Murray to win his maiden French Open title. This victory for the world



no. 1 Djokovic means he has finally completed his career Grand Slam and adds another title to the 11 already collected Grand Slam trophies.

Garbine Muguruza of Spain has won the French Open Women's Singles tennis title at the Roland Garros stadium in Paris, France. For the 22-year-old Muguruza, this was her first Grand Slam title.

Let's look at all the winners in French Open 2016

- 1. Men's Singles:** Novak Djokovic
- 2. Women's Singles:** Garbine Muguruza
- 3. Men's Doubles:** Feliciano Lopez & Marc López
- 4. Women's Doubles:** Caroline Garcia & Kristina Mladenovic
- 5. Mixed Doubles:** Leander Paes-Martina Hingis

Sunrisers Hyderabad Win IPL 2016 Season 9 Title

Sunrisers Hyderabad (SRH) won their maiden IPL 2016 season 9 title after beating Royal Challengers Bangalore (RCB) by 8 runs. This is the first title for the Sunrisers Hyderabad. The captain of the team is David Warner.



All the awards presented in the IPL 2016 are as follows:

- 1. Best Batsman Award (Orange Cap): Virat Kohli (973 runs with 4 centuries)**
- 2. Best Bowler Award (Purple Cap): Bhuvneswar Kumar (Total 23 wickets)**

3. Man of the Match in Final: **Ben Cutting (39 runs and 2 wickets)**

4. Vitara Brezza Glam Award: **David Warner**

5. Emerging Player of the year: **Mustafizur Rahman**

6. Most Valuable Player: **Virat Kohli**

Success Story : “If You Believe You Can You Are Half Way There”

Name: Komalpreet Kaur

Hello everyone!

The above mentioned quote brings out an inspiration in one's mind. Here I am going to share with you my journey of government exams.



I am a silent reader of bankers adda. After completing my graduation (B.Tech – ECE) in 2013 I have done M.Tech with the view that I may get a good job in my profession whether it is related to teaching or corporate world. But the fate was not on my side. No jobs were available in core sector.

So during my post-graduation I actually came to know about all these papers and I gave my first paper for the post of P.O. in November 2014 without any preparation. At that point of time I did not even know the type and number of questions. So as expected I failed.

Then I decided to prepare for next exam and took coaching. Then there was SBI PO exam 2015. I prepared hard for it, but missed it with 2.50 marks. Then I gave the examination for IBPS RRB officer and RRB assistant and finally got selected in it. That was my first success.

After IBPS RRB my main motive was to clear IBPS PO. I believed that I can do it. So I made it to the finals. After the interview I was pretty much sure that I will get selected and this became true. Finally I got selected as Syndicate bank PO. Wow!!! I was on cloud nine at this moment. That was a great day (1 April 2016). I was selected in PNB for clerk position. This achievement felt great. Especially when I saw pride in eyes of my parents, my success became double.

Books and strategies followed

For quantitative aptitude

To have a strong command on this part, I practiced it for one month.

My guidance to you will be that you should first understand the concept than do basic questions and slowly move towards

complex ones. I solved RS Aggarwal thoroughly. Then I used to solve handouts which I got from our institute, daily quizzes from bankers adda and various question from question banks online. After one month I gained enough confidence in quant. Also being from an engineering background, my mathematics was good. So guys practice in the key to success in this section. Practice daily.

For reasoning: I did not follow any specific book. Just practice it during my coaching time. Also the quizzes from bankers adda's site. I believe that quant and reasoning are my strength. In the exam reasoning was quite difficult. Many students failed in it. But my suggestion is that practice more puzzles and during exam don't waste much of time on any question.

For Gk: I used to read daily, weekly, monthly and overall capsule form bankers adda and from some other sites. I guess this is enough for bank exam preparation.

And for English, guys please start reading. Read anything (newspaper, story book, novel). Just build a habit of reading. Then go for vocab. I used to read The Hindu and The Tribune and I used to note down the difficult words in my note book. Believe me It helped me a lot. It helped in every section of English (RC, Fill up, Para Jumble)

For Computers: I did not study from a specific book as I am from engineering background.

My Time management for different sections during exam

1. GK 10 -12 mins
2. Computer 5 mins
3. English 20- 25 mins
4. Reasoning 35-40 mins

And I spent remaining time on quantitative aptitude.

Last suggestion: Do buy any of the online test series as it helps a lot in time management and for self evaluation.

So guys, competition is very high. Don't get distracted from failure. Give your best. Success will be yours.

NO MATTER HOW YOU FEEL,
GET UP, DRESS UP, SHOW UP,
AND NEVER GIVE UP.

CURRENT AFFAIRS : JUNE 2016 2016

INDIA IN NEWS

PM Modi outlines RAPID, a five-point charter for tax administrators at the Rajasva Gyan Sangam

PM Narendra Modi outlined RAPID, a five-point charter for tax administrators to reform and to expand the net base of the direct tax. The PM outlined the RAPID as

R - Revenue, A - Accountability, P - Probity,
I - Information D - Digitization.

Kolkata-Ashuganj-Tripura transit facility becomes operational

India-Bangladesh transit facility under the revised Inland Water Transit and Trade Protocol became operational between Kolkata-Ashuganj-Tripura.

India becomes co-chair of Working Group on Maritime Situational Awareness under CGPCS

India became the co-chair of Working Group on Maritime Situational Awareness under Contact Group on Piracy off the Coast of Somalia (CGPCS).

First batch of three female fighter pilots commissioned

Creating history, the first batch of three female pilots - Avani Chaturvedi, Bhawana Kanth and Mohana Singh were inducted in Indian Air Force fighter squadron.

Government approves Rs 2,070-crore highway project in Punjab

The Union Cabinet has approved a Rs 2,070-crore highways project in Punjab to ensure faster movement of traffic between Chandigarh and Ludhiana.

Piyush Goyal Launches 'Surya Mitra' Mobile App

Minister for Power, Coal and New & Renewable Energy Piyush Goyal has launched 'Surya Mitra' mobile app at the national workshop on rooftop solar power in New Delhi. The GPS-based

mobile app is developed by National Institute of Solar Energy (NISE) which is an autonomous institution of Ministry of New & Renewable Energy (MNRE).

3,049 people perform largest Karma dance in Madhya Pradesh

During a recent event in District Mandla, Madhya Pradesh, 3,049 people registered their spot in the Guinness book of world records for performing largest Karma Naach dance ever.

Centre approves measures for conservation and preservation of lakes in Bengaluru

For the conservation and preservation of lakes in Bengaluru, the Government has approved a series of measures for the abatement of pollution. It has been decided to initiate 24x7 online monitoring of all Sewage Treatment Plants (STPs).

Indian Railways launches Janani Sewa, optional catering Scheme on pilot basis

The Union Ministry of Railways launched three passenger service initiatives viz. a Janani Sewa for mothers, optional catering in Rajdhani, and Shatabdi trains on a pilot basis and a children's menu on trains. Under this scheme hot milk, hot water and baby food will be available at railway stations.

Union Government Announces New Print Media Advertisement policy

The Union Information and Broadcasting ministry has framed a New Print Media Advertisement Policy for Directorate of Advertising and Visual Publicity (DAVP). The objective of the policy is to promote transparency and accountability in issuing of advertisements in print media.

Suresh Prabhu flags off Champaran Satyagrah Express train in Bihar

Railway Minister Suresh Prabhu has flagged off Champaran Satyagrah Express train at a function in Motihari, Bihar. This train will run between Bapudham, Motihari to Anand Vihar, Delhi. The Minister also inaugurated Banmankhi - Purnea rail section and Pipraha Railway Station.

Internet Saathi, Google And Tata Joint-Initiative, Launched In West Bengal

Internet search giant Google has tied up with Tata Trusts to reduce the digital gender gap in rural areas of India such as Purulia, where girls have now been trained to use the Internet and teach others in turn.

Suresh Prabhu Launches 'Tiger Express'

In wake of Budget Announcement 2016-17, Minister of Railways Suresh Prabhakar Prabhu has flagged off the inaugural run of the Tiger Trail Circuit Train from Delhi Safdarjung Station. The purpose was to highlight the significance of environment in our lives.

Rajnath Singh Announces New battalion Named After Maharana Pratap

Union Home Ministry has decided to form new reserve battalion and it will be named after Maharana Pratap. It will be called Maharana India Reserve Battalion.

Tata Trusts, MP Govt Ink Pact To Boost Health Indicators

Madhya Pradesh (MP) government and Tata Trusts (TT) have signed an agreement on implementing interventions in healthcare areas like nutrition, mental health and cancer care in the state. Under the MoU, they will jointly work upon implementation of the TRI (Transforming Rural India) initiative.

India joins The Hague Code of Conduct

India has joined the Hague Code of Conduct against Ballistic Missile Proliferation (HCoC) to further strengthen global non proliferation. The HCoC is a voluntary legally non-binding multilateral body aimed at preventing the spread of ballistic missiles that can deliver weapons of mass destruction (WMD).

TRAI Launches Mobile App For Subscribers To Register Complaints Against disturbing Calls, SMS

The Telecom Regulatory Authority of India (TRAI) has launched a mobile application for telecom subscribers to register their complaints against disturbing calls and SMS to tighten the noose on telemarketers.

Government Approves Mau-Tarighat New Railway Line Project

CCEA has given its approval for a new broad gauge line between Mau Station of North Eastern Railway and Tarighat Terminal station of East Central Railway. The total length of this new broad gauge line will be 51 kilometers.

PM Modi Releases First Ever National Plan For Disaster Management

PM Narendra Modi has unveiled the National Disaster Management Plan (NDMP) that seeks to provide a framework and direction to government agencies for prevention, mitigation and management of disasters.

With 4 New Vaccines, Govt To Revamp Immunisation Drive

The government's ambitious Mission Indradhanush programme, which provides immunisation against seven life threatening diseases, is all set to be re-christened as four new vaccines have been added. The new vaccines are rotavirus, measles rubella, inactivated polio vaccine and Japanese Encephalitis for adults. With this, now 11 vaccines are covered in this programme.

Government Raises Retirement Age Of Doctors To 65

PM has approved the proposal of the Ministry of Health and Family Welfare for enhancing the age of superannuation of all doctors of the Central Health Service to 65 years.

NGT imposes Rs.50 lakh fine On East Coast Railway

The National Green Tribunal (NGT) has imposed a fine of 50 lakh on East Coast Railway for operating an illegal railway siding without the consent of the Odisha State Pollution Control Board (OSPCB) at Jakhapura railway station near Kalinganagar in Odisha's Jajpur district.

Trial Run Of High-Speed Spanish Talgo Train Conducted In India

The Indian Railways has conducted the first trial run of Spanish train Talgo between Bareilly and Moradabad in Uttar Pradesh as part of its strategy to increase the speed of trains.

PM's Official Website Launched In 6 Regional Languages

In a step to expand its reach and connect with more audience, Government has launched the official website of the PM's office (PMO) in 6 regional languages. The new multi-lingual website of PM Modi, www.pmindia.gov.in, can now be accessed in Bengali, Gujarati, Malayalam, Marathi, Tamil and Telugu.

J&K NCC Girls Scale Mt. Everest

Three NCC girl cadets of NCC Directorate J&K have made the State proud by scaling the Mt Everest. The three girl cadets from Jammu and Kashmir are Cadets Stanzlin Laskit, Tashi Laskit and Tsering Angmo.

PM Flags Off Direct Kamakhya To Katra Train

PM Narendra Modi has flagged off, the first ever direct train between Kamakhya in Assam to Katra – Vaishno Devi in Jammu & Kashmir which will connect the two pilgrim towns of Devi Peeth of Maa Kamakhya and Shri Mata Vaishno Devi shrine.

India Global 5th In Green Energy Jobs, China On Top

India ranks 5th in the world in renewable energy (RE) job creation. In the world, 8.1 million persons has employed in the clean energy space. China tops the list with 3.5 million, followed by Brazil with 918,000.

Government Launches Portal To Promote Net Zero Energy Buildings

Ministry of Power in collaboration with the United States Agency for International Development (USAID) launched India's first integrated web portal designed to promote and mainstream Net Zero Energy Buildings (NZEB) in India.

Indian Railway Stations To Get Japanese Signaling System

To ensure safety and better coordination of train movements, the stations are being upgraded with world class signaling technology for which the TVM Signalling and Transportation Systems Private Limited (TSTS), a subsidiary company of Kyosan, Japan inaugurated K5BMC (Kyosan) Electronic interlocking System at Nagasamudram railway station in Andhra Pradesh.

Dial 139 For Wait-Listed Ticket Cancellation

Now wait-listed and RAC (reservation against cancellation) train ticket holders can cancel their tickets by dialing 139.

Narendra Modi Government Approves Bina-Katni 3rd Line Project

The Cabinet Committee on Economic Affairs (CCEA), chaired by the PM Narendra Modi, has given its approval for taking up Bina-Katni, MP 3rd line project.

Govt To Undertake Doubling Of 'Pune-Miraj-Londa' And 'Surendranagar-Rajkot' Railway lines

The Cabinet Committee on Economic Affairs(CCEA) gave its approval for doubling of Pune-Miraj-Londa railway line project and Surendranagar-Rajkot railway project.

Union Cabinet Gives Approval To 6 New IITs

The Union Cabinet has given its approval to amend The Institutes of Technology (IIT) Act, 1961 for incorporation of 6 new IITs. The Six new IITs will come up at :

1. Jammu (Jammu and Kashmir) 2. Palakkad (Kerala) 3. Dharwar (Karnataka) 4. Bhilai (Chhattisgarh) 5. Goa 6. Tirupati (Andhra Pradesh)

India 5th largest Producer Of E-Waste: Study

India has not only emerged as the second largest mobile market with 1.03 billion subscribers, but also become the fifth largest producer of e-waste in the world.

India Bans Its Citizens From Travelling To War-Torn Libya

India has banned its citizens from travelling to Libya, irrespective of the purpose, in view of the prevailing security situation.

Government Approves Establishment Of National Institute Of Technology In Andhra Pradesh

The Union Cabinet chaired by the PM Narendra Modi has granted ex-post facto approval for the establishment of NIT, Andhra Pradesh which has been registered as a Society under the Andhra Pradesh Societies Registration Act, 2001.

Union Road Transport Minister Gadkari Launches Safety Feature

Union Road Transport and Highways Minister Nitin Gadkari has launched 20 Nirbhaya buses of Rajasthan State Transport Corporation (RSTC). These buses are fitted with multiple safety measures to better protect women passengers.

HRD Ministry Launches Portal

The Ministry of Human Resource Development minister Smt Smriti Zubin Iani has announced the launch of a multilingual knowledge portal www.bharatavani.in. It aims to not only ensure universalisation of education but also the creation of a knowledge society in the digital age.

Govt Releases Draft Rules Of Juvenile Justice Act 2015

No child between 16 and 18 years of age in conflict with the law will be handcuffed or sent to jail or lock-up, according to the draft rules of Juvenile Justice Act 2015.

President signs NEET-UG ordinance; decks cleared for admissions

President Pranab Mukherjee has signed the controversial ordinance exempting state governments from the requirement of conducting the National Eligibility-cum-Entrance test this year.

Govt renames disability dept- 'divyang' replaces 'viklang'

The Department of Empowerment of Persons with Disabilities will now be known as 'Divyangjan' Sashaktikaran Vibhag in Hindi and dropped the word 'viklangjan' from its previous nomenclature.

13 New Smart Cities Unveiled By Government

Thirteen cities have been selected in the first phase of the government's smart cities mission, which includes Lucknow, Warangal, Bhagalpur, Raipur, New Town Kolkata, Chandigarh, Faridabad, Raipur, Ranchi, Warangal, Agartala, Imphal, Port Blair and Panaji. These cities have been chosen through competition.

JP Nadda launches Centre for Environmental Health To Assess Environmental Impact On Health

The Union Minister of Health and Family Welfare J P Nadda has launched the Centre for Environmental Health in New Delhi. The centre was launched to assess the impact of environment-related problems like air pollution, climate change, pesticide use and sanitation on health.

STATES IN NEWS

Mori village in Andhra Pradesh chosen for development as smart village

Mori village in East Godavari district of Andhra Pradesh will be developed as a smart village of global standards. Under the project, the village will be developed as a self-contained sustainable business model.

Andhra Pradesh to start Internet-based phone service

Andhra Pradesh is perhaps the first State to have obtained a telecom licence and it can issue phone numbers starting with the '797' series from August this year.

Maharashtra government decides to use plastic waste in building roads

Maharashtra government has decided to use plastic waste along with tar in a bid to improve the durability and longevity of asphalt roads and reduce soil pollution.

Maharashtra reports India's 1st case of Harlequin Ichthyosis

After the birth of a baby girl in Nagpur, India has reportedly recorded its first ever case of a baby born with a rare genetic disorder called 'Harlequin Ichthyosis'. The disease, which affects 1 in 3 lakh babies, causes thickening of the skin all over the body with cracks in between and makes babies prone to infection.

Haryana government approves Rs. 25 cr agriculture project

Haryana government has approved Rs 25 crore project that will benefit 75,000 farmers. The decision has been taken by the state level steering committee, which met under the chairmanship of Chief Secretary D S Dhesi.

Delhi Transport Minister Gopal Rai Resigns

Delhi Transport Minister Gopal Rai, facing charges of corruption, has resigned after the acceptance of the resignation by CM Arvind Kejriwal for this on health grounds. He was replaced by Satyendra Jain.

Tamil Nadu Gets New Chief Secretary

Tamil Nadu government has announced P Rama Mohana Rao as the new Chief Secretary of the state.

Bihar CM Nitish Kumar launched Child Labour Tracking System

Bihar CM Nitish Kumar has inaugurated 'Child Labour Tracking System (CLTS)' in order to keep a track of rescued child labour for their proper rehabilitation. In this, financial help of Rs 25,000 will also be provided for every rescued child labour.

Sikkim launches open government data portal

Sikkim became the first state in India to have an open government data portal linked 'sikkim.data.gov.in'. The open government data portal facilitates free use, reuse and redistribution of data produced or commissioned by the government or government controlled entities by anyone.

Gujarat CM Dedicates 6.4-km Sub-Sea Power Cable Project

Shiyal bet — off Gujarat coast having about 800 households with a population of 6,000 — was lit up for the first time after the Gujarat CM, Anandiben Patel, inaugurated the sub-sea marine cable power supply project in Arabian sea off Pipavav Port in Amreli District.

Machilipatnam Town-Sanctioned For Development Under AMRUT Scheme

The Union Urban Development Ministry has sanctioned 37.5 crore rupees for development of Machilipatnam town under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) scheme.

Maharashtra To Celebrate Yoga Day On 21st Of Every Month: Minister

The Maharashtra government has decided to celebrate the 21st day of every month as Yoga Day across all schools, colleges and universities in the State.

Himachal Pradesh Becomes First State To Launch Green-Concept Based State Data Centre

Himachal Pradesh became the first state in the country to have a State Data Centre (SDC), designed using green data centre concept.

Rajasthan Government Launches Mobile App RajVayu On Air Quality Index

Rajasthan Government has launched mobile application RajVayu for sharing information about air quality index of Jaipur, Udaipur and Jodhpur.

Guwahati Declares Gangetic River Dolphin As Its 'City Animal'

Guwahati became first city in the country to have its own 'city animal' with Kamrup metropolitan district administration declaring Gangetic River Dolphin as its mascot. River Dolphin is locally known as 'Sihu'

Haryana Government Launches Asia's first Gyps Vulture Reintroduction Programme

Haryana Government has launched Asia's first 'Gyps Vulture Reintroduction Programme' at the Jatayu Conservation Breeding Centre at Pinjore.

Delhi Government Clears Solar Policy With 1 GW Target By 2020

The Delhi government has announced the implementation of its solar policy with the aim of making the national capital a solar city with the installation of 1 GW solar power capacity by 2020. This target is proposed to double it to 2 GW during further next five years (by 2025).

Gujarat Unveils New Policy To Boost IT, Start-Ups In 5 years

Gujarat CM Anandiben Patel has announced her government's new policy for promotion of information technology (IT) and electronic start-ups, envisaging setting up of 50 incubators to provide leadership and facilities to 2,000 start-ups over the next five years.

Maharashtra Revenue Minister Eknath Khadse Resigns

Eknath Khadse, the most senior minister in the Maharashtra government, has resigned amid twin scandals over an illicit land deal and his cellphone allegedly appearing in the call records of most-wanted gangster Dawood Ibrahim.

Assam Assembly Passes Ease Of Doing Business Bill

Assam Assembly has passed the Assam Ease of Doing Business Bill, 2016. The bill has the provision for speedy processing of applications and issue of clearances for setting up industries. The bill seeks to attract fresh investment in the state through an easy computerised clearance system.

CM Khattar Lays Foundation Stone Of 'Jai Jawan Awas Yojana'

CM of Haryana, Manohar Lal Khattar laid the foundation stone of Jai Jawan Awas Yojna (JJAY), an initiative to provide affordable housing to serving and retired JCOs and Other Ranks at Bahadurgarh, Haryana.

Himachal Pradesh Launches Artificial Propagation Programme Of Mahseer Fish For Conservation

Himachal Pradesh fisheries department has launched an artificial propagation programme for rehabilitation and conservation of Golden Mahseer fish. Under this programme, a hatchery has been set up in the state with an outlay of Rs 6 crore to rear mahseer fish and release its fingerlings into the wild.

Odisha Becomes First State To Give Social Welfare Benefits To Transgender Community

Odisha is first in the country to give transgender people social welfare benefits - such as a pension, housing and food grains - usually allocated for only the most impoverished.

Gujrat CM Launches State-Wide Campaigns Against Malnutrition

CM of Gujrat, Anandiben Patel has launched two state-wide campaigns against malnutrition at Ahwa town in Dangs district. As part of Bal Amritam' and Mission Shakti' campaigns, iron-rich supplementary food would be provided to children and women, whether they live in towns or remote forested areas.

A Kumbh In Kashmir After 75 Years

'Dashar Maha Kumbh' is being organised on the confluence of sacred rivers Sindhu and Vitasta in Ganderbal district of Kashmir after a period of 75 years. The kumbh is being organised in Waskoora tehsil of Ganderbal district, Jammu and Kashmir(J&K).

Delhi Govt Launches 'DVAT M SEWA' Mobile App

Delhi CM Arvind Kejriwal has launched a mobile app named 'DVAT M SEWA' app through which city traders can register themselves with the VAT department of Delhi government, a move that is aimed at encouraging them to boost its tax collection.

Lakshadweep becomes the first Union Territory to sign 24x7 'Power for All' document

Lakshadweep became first Union Territory (UT) to sign "24x7 Power for All" document. The Plan is to increase the solar capacity of the region from 2.15 MW to 8.45 MW.

'E-municipal Council' Building To Come Up In Bundi, Rajasthan'

Rajasthan's Bundi may not be in the Centre's list of smart cities, but is stepping into the virtual world with an 'e-municipal council' to provide files at a click, and detailed digital mapping of the city with a database of its demographical and geographical information.

Asia's first Gyps Vulture Reintroduction Programme launched

The Haryana Government launched Asia's First Gyps Vulture Reintroduction Programme at Jatayu Conservation Breeding Centre, Pinjore.

Ordinance Enforced For Official Use Of Odia

Odisha Governor Dr SC Jamir, on a recommendation of the State Government, promulgated an Ordinance empowering the Government to formulate laws to implement the Odisha Official Language Act 1954 in order to ensure use of Odia in all Government systems.

Gujarat CM Launches 'Smart Village' Program

Gujarat CM Anandiben Patel has launched Smart Village program on the occasion of completion of two years of her Government. 300 villages will be selected for Smart Village program.

After liquor, Bihar government bans gutka and pan masala

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. The ban on both packaged and unpackaged edible items containing tobacco content will remain effective for a period of one year.

Odisha becomes first Indian state to give pension and food benefits to transgenders

Odisha became the first Indian state to give transgender people social welfare benefits, such as a pension, housing and food grains.

BANKS IN NEWS

DCB Bank launches Aadhaar enabled ATM in Bengaluru

DCB Bank has launched Bengaluru's first ATM that accepts Aadhaar number and Aadhaar fingerprint (biometric) instead of ATM/Debit Card and PIN to dispense cash.

Cabinet approves SBI takeover of units

A cabinet chaired by PM Narendra Modi has approved the takeover by State Bank of India (SBI) of several subsidiaries. This is the first move to consolidate the country's struggling PSB's.

Florida bank issues first US credit card for use in Cuba

A small regional Florida bank, Stonegate Bank has made history by issuing the first credit card that can be used in Cuba.

Deutsche Bank Asia chief executive Gunit Chadha quits

Germany's largest lender, Deutsche Bank announced that Gunit Chadha, who is serving as CEO for Asia-Pacific region would leave the company next month on 17th of July.

SBI and Mastercard Partners with Centrum for distribution of its prepaid forex card

State Bank of India (SBI), the India's largest bank and Master Card has announced their partnership with Centrum for distribution of its prepaid forex card.

RBI announces new scheme for resolution of stressed assets

The Reserve Bank of India (RBI) has come up with a new scheme for Sustainable Structuring of Stressed Assets (S4A) of the large project. As per this new scheme, a portion of the debt will be converted into equity or other instruments under the supervision of Indian Banks Association, IBA's Overseeing Committee. The Scheme for S4A will cover those projects which have started commercial operations and have an outstanding loan of over Rs 500 crore.

Panel to draw the list of potential RBI Governor candidates

The government has made a selection committee headed by cabinet secretary P K Sinha to shortlist the candidates for Reserve Bank of India governor post.

SBI, CaixaBank ink pact to fund Indo-Spanish joint ventures

State Bank of India (SBI) and Spain's CaixaBank have inked pact to provide loans to Indo-Spanish joint ventures and local enterprises.

RBL Bank to launch scheme for fintech entrepreneurs

RBL Bank is going to launch an Entrepreneur-in-Residence (EIR) programme for fintech start-ups in the next 9-12 months.

BRICS bank to issue first yuan denominated bonds

The BRICS Development Bank, also referred as the New Development Bank (NDB) is set to issue its first yuan-denominated bonds, which is also known as 'green bands'.

Cabinet clears India Post's payments bank proposal

The Union Cabinet has approved the proposal to set up India Post payment bank as Public Limited Company under Department of Posts, with 100 percent government equity. The total architecture of postal payments bank is of Rs. 800 crore which will have Rs. 400 crore equity and Rs. 400 crore grant. It will be run by CEO and has plans to have 650 branches operational by September, 2017.

HDFC among world's top 10 consumer financial services company

The mortgage lender HDFC Ltd has been ranked among the world's top ten biggest and most powerful companies in the consumer financial services sector on a Forbes list. The list is topped by global major American Express while HDFC ranked 7th. It is the only Indian company in top ten under this category.

Islamic banking to debut in Gujarat

Saudi Arabia based Islamic Development Bank (IDB) announced to open its first branch in India at Ahmedabad, Gujarat.

HSBC to shut down half of its branches in India, 300 Jobs to go

UK based banking giant, HSBC Holding Plc stated that it plans to close 24 branches in India.

Pharmaceutical Sector. With these changes in FDI norms, India has become the most open economy in the world for FDI.

SEBI issues stricter KYC, disclosure norms for P-Notes

Markets regulator SEBI put in place a stricter KYC norms and disclosure regime for Participatory Notes (P-Notes). The aim is to make it tougher to use these offshore instruments without disclosing the money-trail and details of their users.

World Bank cuts global growth forecast to 2.4 %

The World Bank Group President Jim Yong Kim has slashed the global growth forecast of 2016 by 0.5 % to 2.4 %. and at 2.8% in 2017. It also lowered India's growth projections marginally by 0.2% to 7.6% for 2016-17 and 7.7% in 2017-18.

RBI has announced Second Bi-monthly Monetary Policy Statement

Reserve Bank of India Governor Raghuram Rajan has announced the Second Bi-monthly Monetary Policy Statement for the year 2016-17. The repo rate kept unchanged at 6.5%, reverse repo rate stays at 6.00 %, and CRR remains at 4%. While, LAF will remain unchanged at 6.0 %, and the MSF rate and the Bank Rate at 7.0 %.

Govt approves Capital Goods Policy, aims 21 million new jobs by 2025

The Union Cabinet chaired by the PM Narendra Modi has approved the first ever policy for the country's capital goods sector envisaging creation of over 21 million new jobs by 2025. The objectives of the policy are to create an ecosystem for a globally competitive capital goods sector to achieve total production in excess of Rs 7.5 lakh crore by 2025.

Four month window to disclose black money opened

The Income Declaration Scheme which seeks to provide an opportunity to all person who have not declared their income correctly in previous years to come forward and declare undisclosed incomes, opened and will remain in force till 30th of September, 2016.

India's Economy Will Grow By 7.7% In 2016-17: FICCI Survey

India's economy will grow by 7.7% in the current fiscal, according to the survey by the Federation of Indian Chambers of Commerce and Industry.

New committee to swipe towards cashless society

ECONOMY NEWS

Union Government approves 100% FDI in Aviation, Defence and e-commerce sectors

The Union Government has liberalized the foreign direct investment (FDI) norms by permitting 100 % FDI under government approval route for defence, aviation &

From past couple of month, the GOI and RBI have been working on how to reduce cash transactions in the economy. For this, they have also formed a committee of 7 members which is chaired by a ministry official, Neeraj Kumar Gupta.

India's growth to rise to 8 percent in FY2019: Fitch

According to Fitch, India's economic growth rate will to 8% by fiscal year ending March 2019. Fitch also expects India's GDP to grow 7.5% in 2016, 7.7% in 2017 & 7.9% in 2018.

EPFO doubles insurance for subscribers to Rs 6 lakh

The Government has enforced the decision of retirement fund body EPFO to almost double the maximum sum assured under its insurance scheme from 3.6 lakh to Rs 6 lakh.

BUSINESS NEWS

BHEL commissions 195 MW unit at Muzaffarpur

Public Sector Power equipment manufacturer Bharat Heavy Electricals Limited (BHEL) has commissioned 195 MW unit at Muzaffarpur Thermal Power Station in Bihar.

Microsoft to buy LinkedIn for \$26bn

Software giant Microsoft has announced that it is going to acquire professional social platform LinkedIn for \$196 per share. The deal is in all cash transaction valued at \$26.2 billion.

Vijay Mallya declared as Proclaimed Offender by Money Laundering Court

Businessman Vijay Mallya was declared as a Proclaimed Offender by a special court for the Prevention of Money Laundering Act (PMLA) in Mumbai in a loan diversion case.

Tata Power acquires Welspun's renewable energy assets

Tata Power Renewable Energy Ltd (TPREL) has acquired the renewable energy (RE) subsidiary of Delhi-based Welspun Renewables Energy Pvt Ltd (WREPL).

Telangana to set up 12,500-acre Pharma City near Hyderabad

Mr. K. Chandrashekhara Rao, the CM of Telangana state has ordered to setting up a 'Pharma City' on 12,500 acres of land in Rangareddy and Mahbubnagar districts.

FCI inks pact with Adani Group

Food Corporation of India (FCI), a state-run organization has signed an agreement with the Adani group for construction of two silos to store wheat, at an estimated cost of about Rs 80 crore.

SEBI to e-sell Sahara properties for Rs 1,900 cr

Securities and Exchange Board of India (SEBI) is all set to sell the land parcels of the Sahara Group through an e-auction. The reserve price has been set at Rs 1,900 crore for these properties.

HDFC Ergo Buys L&T Insurance For Rs 551 crore

HDFC Ergo General Insurance, the insurance arm of mortgage lender HDFC, has acquired L&T General Insurance for Rs 551 crore.

Flipkart introduces online 'No Cost EMI' option

E-commerce giant Flipkart has introduced 'No Cost EMI' option to make online shopping affordable for high-end purchases through an attractive financing option of equated monthly installments (EMI).

ONGC Videsh signs pact with SOCAR trading

ONGC Videsh Ltd (OVL) signed a pact with the trading arm of Azerbaijan's state energy company SOCAR (State Oil Company of Azerbaijan Republic) to foray into oil trading.

RIL sells stake in African oil retailer GAPCO

Reliance Industries, a conglomerate holding company headquartered in Mumbai has sold its stake in African fuel retailer Gulf Africa Petroleum Corporation (GAPCO) to Total S. A. of France for an undisclosed sum.

Mahindra incorporates Trringo as wholly-owned subsidiary

The Indian Multinational automobile giant, Mahindra & Mahindra (M&M) has stated that it has incorporated its agricultural equipment rental services arm Trringo.com as a wholly-owned subsidiary.

Mahindra & Mahindra inks brand licence deal with Pininfarina

Mahindra & Mahindra has signed a brand licence agreement with Italian car designer Pininfarina for using trademarks.

Snapdeal opens data sciences centre in California

Online marketplace Snapdeal has established a data sciences centre in San Carlos, California, which will help it to get top global talent and build high-value solutions.

Nalco pulls out of JV with NPCIL for nuclear power plant in Gujarat

Aluminium giant National Aluminium Company Ltd (NALCO) has decided to end its joint venture with Nuclear Power Corporation of India Ltd (NPCIL) for nuclear power plant in Gujarat.

Tech Mahindra to acquire UK-based Target Group

Tech Mahindra is all set to acquire UK based Target Group to strengthen its BFSI portfolio. The total value of acquisition is \$164 million.

Google wins Java copyright case versus Oracle

Google has won a jury verdict against Oracle's claim of \$US 9 billion, as the Oracle has made copyright case against the Google for using Oracle's Java in Android phone business.

Cabinet approves the takeover of HSLC by NBCC

The Union Cabinet chaired by the PM Narendra Modi has approved the takeover of Hindustan Steel Works Construction Limited (HSLC) by National Buildings Construction Corporation Ltd (NBCC) for financial restructuring of HSLC.

Aditya Birla Fashion buys India rights of Forever 21

Aditya Birla Fashion and Retail Ltd (ABFRL) has acquired the rights for California, US, based fashion retailer Forever 21 to acquire its India business from its current franchisee, Diana Retail Private Ltd.

Govt waives over Rs 9,000-cr loans of HFCL

The Union Cabinet has waived off loans worth more than Rs 9,079 crore owed by Hindustan Fertilizer Corporation Ltd (HFCL) as part of a financial restructuring package for the PSU.

BHEL commissions 800 mw thermal unit in Karnataka

State run Bharat Heavy Electricals Ltd (BHEL) has successfully commissioned the first 800 MW super critical thermal unit in Karnataka. This is the highest rating unit in the state.

World Bank arm IFC to invest \$68 mn in Apollo Health

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).

AGREEMENTS/MOU SIGNED

Cabinet Approved Agreements

- The Union Cabinet gave its ex-post facto approval to the MoU for the cooperation in the field of agriculture and allied sector between India and Taiwan. Besides, the cabinet approved signing of Air Services Agreement between both the countries.
- The Cabinet approved the enhancement of retirement age of government doctors' to 65 years to strengthen the healthcare sector in the country.
- MoU between Indian Space Research Organization (ISRO) and Canadian Space Agency (CSA) on cooperation in the field of outer space was approved.

India signs two MoUs with Namibia

India and Namibia signed two MoUs on capacity building for civil servants of Namibia and to set up of centre of excellence in Information and Communications Technology (ICT).

India's membership of the International Continental Scientific Drilling Program approved

The Union Cabinet gave its approval for Indian membership of the International Continental Scientific Drilling Program (ICDP) consortium. The approval clears the path for signing a MoU with the GFZ - Helmholtz Centre Potsdam (German Research Centre for geosciences).

Uber enters into pact with Tata group

Tech-based car-hailing company Uber has entered into an agreement with Tata group to help its drivers own Indica and Indigo cars with less hassle.

Railway Ministry signs agreement with Odisha Govt

Ministry of railways has signed an agreement with Govt. of Odisha for the formation of joint venture Company for the development of railway infrastructure in the state.

India, and Ghana sign three agreements

India and Ghana have signed three bilateral agreements to strengthen co-operation in varied fields. These agreements were signed after delegation-level talks between President Pranab Mukherjee and his Ghanaian counterpart John Dramani Mahama in Accra. The signed agreements include visa waivers for holders of diplomatic and official passports, setting up a Joint Commission & for collaboration in diplomatic training between the Indian Foreign Service Institute and a Ghanaian institute of the same standing.

NPCIL and Westinghouse agree to begin engineering work on 6 N-reactors

The Nuclear Power Corporation of India (NPCIL) and the US firm Westinghouse have agreed to begin engineering work for six nuclear power plant reactors in India. These nuclear reactors would bring clean energy to India.

India, ADB sign \$120 mn loan pact for irrigation in Odisha

The GOI has signed the loan agreement of US \$120 mn to improve irrigation and water management infrastructure in Odisha.

India and Singapore agree to enhance scale of military interaction

India and Singapore have agreed to enhance the scale of existing bilateral military interaction and decided to expand the interaction between the armed forces. Decision in this regard, was taken at inaugural Singapore-India Defence Ministers' Dialogue (DMD).

ADB, India ink \$200 million loan agreement for Jharkhand roads

The Indian government and the Asian Development Bank (ADB) have signed an agreement for a \$200 million loan to upgrade 176-km roads in Jharkhand.

India-US ink MoU to boost energy security, clean energy cooperation

India and US have signed an MoU to enhance cooperation on energy security, clean energy and climate change in New Delhi with an aim to promote sustainable growth.

India and Tunisia sign MoUs for co-operation in IT, handicrafts sector

India & Tunisia have signed two MoUs for co-operation in Information Technology and promotion of traditional handicrafts. The MoUs were signed in the presence of Vice President Mohammad Hamid Ansari and Tunisian PM Habib Essid in Tunis.

India and US sign an agreement on 'exchange of terrorist screening information'

An agreement between the authorized governmental agencies of the GOI and United States of America (USA) have been signed for the exchange of terrorist screening information.

Union Cabinet approves MoU between US and India on wildlife conservation

The Union Cabinet has given its approval for signing of a MoU (MoU) between India and United States (US) to enhance

cooperation in the field of wildlife conservation and combating wildlife trafficking.

Union Cabinet approves MoU between DGCA and French Civil Aviation Authority

The Union Cabinet has given its ex-post facto approval to the signing of MOU between the Directorate General of Civil Aviation of India (DGCA) and the French Civil Aviation Authority – Direction Generale de l'Aviation Civile (DGAC) to implement Technical Cooperation Programme (TCP) for promotion and implementation of Standards and Recommended Practices of the International Civil Aviation Organization (ICAO).

Union Cabinet approved MoU between India and Qatar on tourism

The Union Cabinet chaired by the PM Shri Narendra Modi has given its approval for signing of a MoU (MoU) between India and Qatar for strengthening cooperation in the field of Tourism.

India and World Bank sign agreement for efficient bus service

The GOI and the World Bank has signed a 9.2 million US dollar grant agreement under the World Bank-Global Environment Facility (GEF) Programme for the Efficient and Sustainable City Bus Service Project.

India and Morocco conclude five MoUs to enhance cooperation in various fields

India and Morocco have signed five memorandums of understanding (MoUs) covering fields as diverse as water resources management, television broadcasting, institutional co-operation and cultural and educational exchanges, further providing venues for enhanced cooperation.

Indian Railways, PEC sign MoU to set up Kalpana Chawla Chair on geospatial technology

The PEC University of Technology of Chandigarh and Union Ministry of Railways have signed an MoU for setting up of Kalpana Chawla Chair on Geospatial Technology for Indian Railways at the University.

India, Australia sign MoU to enhance R&D capabilities in biotech

India and Australia have signed MoU (MoU) to enhance research and development capabilities in biotechnology. The MoU seeks to stimulate and enhance the strategic research and innovation capabilities of the Indian biotech industry.

China signs deals with Sudan to build 600 mw atomic reactor

China has signed agreements with Sudan to build 600-megawatt atomic reactor. It was the first of its kind in the African country.

Cabinet gives ex-post facto approval to the MOU between India and Japan

The Union Cabinet chaired by PM Modi has given ex-post facto approval to the MoU between Indian and Japan for promoting sustainable, stable and low-carbon thermal power development in India.

Cabinet gives ex-post facto approval to the MOU between India and Maldives

The Union Cabinet chaired by PM Narendra Modi has granted ex-post facto approval to the MoU signed between the Ministry of Tourism, India and the Ministry of Tourism, Maldives for strengthening cooperation in the field of tourism.

NALCO signs MoU with Iran govt to set up smelter plant in Chabahar

The National Aluminium Company Limited (NALCO) has signed an MoU with Iranian Mines and Mining Industries Development and Renovation Organization (IMIDRO) to explore the possibility of setting up a smelter on joint venture in Iran.

India and Oman signed 4 MoUs/Agreements on defence cooperation

India and Oman have signed 4 MoU (MoUs) in Muscat during the visit of Indian Defence Minister Manohar Parrikar to Oman.

The MoUs were:

1. MOU on Defence Cooperation
2. MOU in the field of Marine Crime Prevention at Sea.
3. MOU on Maritime Issues.
4. Protocol on Flight Safety information Exchange.

India and Iran sign 12 bilateral agreements in various areas

India and Iran has signed 12 MoU (MoU) and agreements in various areas including building and operating the Chabahar port by India.

Some Agreements were:

Cooperation in culture, science and technology, library sciences, cooperation between the EXIM banks of both the countries. MoU between EXIM Bank and Iran's Ports and Maritime Organization (PMO), Confirmation Statement between EXIM Bank and Central Bank of Iran (CBI), MoU on India-Iran Cultural Exchange Programme (CEP) & others.

COMMITTEES

Kishore Tiwari-headed Task Force on Farmers submitted its report to Maharashtra Government

Maharashtra Government appointed taskforce headed by agriculture expert Kishore Tiwari submitted its report to CM Devendra Fadnavis. The taskforce appointed to address agrarian issues.

Mirza Imtiyaz Judicial Commission constituted to probe Mathura violence

UP CM Akhilesh Yadav appointed a judicial commission to probe into the recent Mathura violence hours. The Judicial commission will be headed by retired Allahabad High Court judge Justice Mirza Imtiyaz Murtaza.

Rajiv Gauba Committee on Decongestion of Traffic in Delhi submitted report

The Rajiv Gauba Committee on Decongestion of Traffic in Delhi submitted its report to the Union Ministry of Urban Development.

Arvind Kejriwal Sets Up Committee To Look Into Matters Related To Delhi Water Bodies

Delhi CM Arvind Kejriwal has constituted a high-level committee under the chairmanship of PWD minister Satyendra Jain to look into the matters related to water bodies in the national capital.

Anand Desai Committee submitted report

Anand Desai led Expert committee set up to examine the Specific Relief Act, 1963 submitted its report to Union Law & Justice Minister DV Sadananda Gowda.

Union Government constituted DB Shekatkar Committee on defence spending

The Union Government constituted a committee of experts on defence spending. The committee will be headed by Lt Gen DB Shekatkar (retd).

NEW APPOINTMENTS

Nikesh Arora resigns as President and COO of SoftBank Group

Nikesh Arora resigned as the Representative Director, President and Chief Operating Officer (COO) of SoftBank Group (SBG), a Japanese company.

Indian-origin Kamala Shirin Lakhdir nominated as US Ambassador to Malaysia

Indian-origin diplomat Kamala Shirin Lakhdir nominated as the next American Ambassador to Malaysia by US President Barack Obama. He will replace Joseph Y Yun.

Nita Ambani becomes first Indian woman to be nominated for International Olympic Committee

The founder and chairperson of Reliance Foundation, Nita Ambani nominated as a candidate to be a new member of the International Olympic Committee (IOC) headquartered at Lausanne, Switzerland.

Bipin R Patel appointed as President of Gujarat Chamber of Commerce and Industry

Businessman Bipin R Patel was appointed as the President of Gujarat Chamber of Commerce and Industry (GCCCI) for the term 2016-17. He succeeds Rohit J Patel.

BCCI suspends Goa Cricket Association officials for misappropriation of organization funds

The BCCI suspended Goa Cricket Association officials alleged fund issue. Chetan Desai, GCA president and Vinod Phadke, the secretary who are also part of important committees of BCCI were arrested.

UN Women announces Anne Hathaway as 'goodwill ambassador'

UN Women, the United Nations organization dedicated to gender equality and the empowerment of women, appointed American award-winning actor Anne Hathaway as Global Goodwill Ambassador.

Suresh Chandra appointed as Union Law Secretary

Senior legal service officer Suresh Chandra was appointed as Union Law Secretary.

Sunil Mittal elected chief of International Chamber of Commerce

Sunil Bharti Mittal, founder chairman of Bharti Enterprises, has been elected as the head of International Chamber of Commerce (ICC), based in Paris, France.

Peter Thomson elected as President of UNGA

The United Nations General Assembly elected Peter Thomson, Permanent Representative of Fiji, as President of its upcoming 71st session. Mr. Thomson will replace current General Assembly President Mogens Lyketoft.

Former Cricketer Chetan Chauhan as named NIFT Chairman

Former BJP MP Chetan Chauhan appointed as the Chairman of the prestigious National Institute of Fashion Technology (FTII).

New Director General of Doordarshan appointed

Senior IAS officer Supriya Sahu was appointed as Director General of Doordarshan. She would replace Aparna Vaish who was acting head of Doordarshan.

RBS India chief Brijesh Mehra to head RBL corporate banking

RBL Bank (formerly known as The Ratnakar Bank Limited) has announced the appointment of Brijesh Mehra as the head of corporate banking at RBL.

DBS Bank appoints Niraj Mittal as institutional banking head

DBS Bank India announced the appointment of Mr. Niraj Mittal as the MD and Head of Institutional Banking for the country.

Ranu Langthasa appointed as first woman chairperson of NCHAC in Assam

Ranu Langthasa was unanimously appointed as the chairperson of the North Cachar Hills Autonomous Council (NCHAC) in Assam. She also became the first women chairperson.

Justice Rakesh Ranjan Prasad takes charge as Chief Justice of Manipur HC

Justice Rakesh Ranjan Prasad, the senior-most Judge of the Manipur High Court has assumed charge as the Chief Justice of the High Court. He succeeded Laxmi Kanta Mohapatra.

Ex-MP Satya Pal Jain Appointed As Law Commission Member

Additional Solicitor General of India and former Parliamentarian Satya Pal Jain has been appointed as a part-time member of the Law Commission of India.

Former CM Vaithilingam Elected Unopposed As Puducherry Speaker

Former CM and senior Congress leader V Vaithilingam was unanimously elected as Speaker of the 14th Puducherry Assembly. VP Shivakozhuthu was elected as the Deputy Speaker.

New MD of Kerala Industrial Infrastructure Development Corporation

Dr. M Beena, has been appointed as Managing Director of the Kerala Industrial Infrastructure Development Corporation (KINFRA), a statutory body of the Kerala Government.

Ragesh Chandra Appointed Secretary To Puducherry CM

G Ragesh Chandra has been designated as Secretary to Puducherry CM V Narayanasamy.

Major General Per Lodin Appointed To Head UN Military Observer Group In India And Pakistan

Per Lodin, Major General of Sweden, was appointed as the Head of the UN Military Observer Group in India and Pakistan (UNMOGIP). The appointment was approved by United Nations Secretary-General Ban Ki-moon.

MTNL chairman Narendra Yadav steps down

State-run firm Mahanagar Telephone Nigam Limited (MTNL) announced that its Chairman and Managing Director, Narendra Kumar Yadav has resigned. P K Purwar has been given additional charge of the CMD's post.

Naresh Goyal Re-Elected To IATA Board Of Governors

Jet Airways chairman Naresh Goyal has been re-elected to IATA's Board of Governors. This would be the 5th successive tenure for Goyal at the International Air Transport Association's (IATA) Board of Governors.

G Kalyanakrishnan took over as New Chief Executive for Nuclear Fuel Complex

G Kalyanakrishnan has taken over as New Chief Executive of Nuclear Fuel Complex (NFC), Hyderabad. He has replaced N. Saibaba.

Dr Shahid Rasool Takes Charge At CEMCA

Dr Shahid Rasool, a communication technology specialist, has taken charge as the new director of the Commonwealth Educational Media Centre for Asia (CEMCA).

Former Adobe Executive Umang Bedi Appointed as Managing Director Of Facebook India

Former Adobe executive Umang Bedi was appointed as managing director of Facebook India. He will take over from Kirthiga Reddy.

Kulmeet Bawa Appointed Adobe MD For South Asia

Adobe Systems has announced the appointment of Kulmeet Bawa as Managing Director for South Asia. He will take over the position from Umang Bedi.

Ashok Ganapathy Appointed As Director Of Airtel Business

Telecom major Bharti Airtel has announced the appointment of Ashok Ganapathy as director Airtel Business. He will take over from Manish Prakash.

P Dhanapal Re-Elected As Tamil Nadu Legislative Assembly Speaker

P Dhanapal and Pollachi V Jayaraman were unanimously re-elected as Speaker and Deputy Speaker respectively for the 15th Tamil Nadu Legislative Assembly.

Dia Mirza Named Ambassador For Swachh Saathi Programme

Bollywood actress and producer Dia Mirza has been named the ambassador for Swachh Bharat Mission's youth-based Swachh Saathi (student internship) programme.

V Narayanasamy Sworn-In As CM Of Puducherry

Congress Legislature Party leader, V Narayanasamy was sworn in as CM of the Union Territory of Puducherry.

Navin Agarwal Appointed DG Of National Anti-Doping Agency

Navin Agarwal has been appointed as the chief of National Anti-Doping Agency (NADA), working for dope-free sports.

P Sreeramakrishnan Elected As Speaker Of Kerala Legislative Assembly

P Sreeramakrishnan elected as Speaker of the 14th Kerala Assembly and a two-time legislator from Ponnani constituency.

C R Sasikumar Takes Over As MD Of State Bank Of Travancore

CR Sasikumar has taken over as Managing Director of State Bank of Travancore (SBT), one of the associate banks of State Bank of India (SBI).

NK Chari is now MD of State Bank of Mysore

Mr. NK Chari has been appointed Managing Director of the State Bank of Mysore (SBM). Prior to his new position, he was the Deputy Managing Director of State Bank of India.

Rahul Johri Takes Charge As First Ever BCCI CEO

The Indian Cricket Board's first ever CEO Rahul Johri, who was appointed on the recommendation of the Justice Lodha Committee, he has taken charge of the position in the BCCI Headquarter Mumbai.

BS Bassi Appointed UPSC Member

Former Delhi Police Commissioner B S Bassi has appointed as a member of the Union Public Service Commission (UPSC). The Commission has a maximum strength of 10 members.

Admiral Sunil Lanba Takes Over As Chief Of Naval Staff

Admiral Sunil Lanba has taken over as the new Chief of Naval Staff. He succeeded Admiral R K Dhowan who retired.

Ashok Lavasa Takes Over As Finance Secretary

Ashok Lavasa has been designated as the Finance Secretary by the Appointment Committee of Cabinet (ACC).

Surajit Kar Purkayastha Appointed Director General Of West Bengal Police

Former Kolkata Police Commissioner Surajit Kar Purkayastha has been appointed as the new Director General of Police in West Bengal following the retirement of G M P Reddy.

Madhavan becomes goodwill ambassador for LEPRO India

Bollywood Actor R Madhavan has become the goodwill ambassador of LEPRO India organization that fight against diseases like leprosy and tuberculosis.

Kiran Bedi Becomes The Lieutenant Governor Of Puducherry

Kiran Bedi, the former IPS officer took oath in Puducherry as Lieutenant Governor of Puducherry. She succeeds (retired) Lieutenant General Ajay Kumar Singh.

Vice Admiral A R Karve takes charge of Southern Naval Command

Vice-Admiral A R Karve has taken charge as the Flag Officer Commander-in-Chief of the Southern Naval Command (SNC) from Vice Admiral Girish Luthra.

Ashok Leyland Re-Appoints Vinod K Dasari As MD For 5 years

Hinduja Group flagship Ashok Leyland's Board of Directors have approved the re-appointment of Vinod K Dasari as Managing Director (MD) of the company for 5 years.

Guinea Bissau President names Baciro Dja as PM

Guinea Bissau President Jose Mario Vaz named Baciro Dja as the new PM of the west African country. Mr. Baciro Dja succeeded Carlos Correia.

Pinarayi Vijayan Sworn In As CM Of Kerala

Communist Party of India-Marxist leader Pinarayi Vijayan has taken oath as the CM of Kerala with 19 ministers at the central stadium in capital Thiruvananthapuram.

Fifa Fires Acting Deputy Secretary General Markus Kattner Over Bonus Payments

Federation Internationale de Football Association (FIFA) has fired its finance director of the past 13 years General Markus Kattner, over revelations about irregular million-dollar payments.

Freecharge names Kunal Shah as chairman, and Govind Rajan as CEO

Snapsdeal-controlled digital payments platform FreeCharge has named Kunal Shah as chairman, and Govind Rajan as CEO.

Sarbananda Sonowal Takes Oath As First BJP CM of Assam

Former Union Minister for Sports & Youth Affairs Sarbananda Sonowal was sworn-in as the First BJP CM of Assam.

F45 India appoints ex-cricketer Brett Lee as brand ambassador

A master franchise of Australia based functional training system for fitness, F45 India has announced the appointment of former Australian cricketer Brett Lee as brand ambassador.

S K Sharma Appointed CMD Of Nuclear Power Corporation Of India

Famous scientist S K Sharma has been appointed as Chairman and Managing Director (CMD) of Nuclear Power Corporation of India Limited (NPCIL).

Lt General Saini New Commandant Of IMA

Lt Gen SK Saini has taken over as the 46th Commandant of the Indian Military Academy (IMA), Dehradun.

Government Promotes 4 General Managers As Directors At General Insurers

The Central government has promoted four general managers of state-owned general insurers as whole-time directors, including at General Insurance Corporation of India (GIC Re) and Hoda at United India Insurance, K K Rao at Oriental Insurance, P Venkatramaiah of National Insurance Company and Segar Sampath Kumar at New India Assurance.

Ex-finance Secretary, Ratan P Watal, appointed as Niti Aayog's Principal Adviser

Former Finance Secretary Ratan P Watal was appointed as Principal Adviser (Social Sector) in NITI Aayog for 3-years.

Jayalalitha Sworn In As Tamil Nadu CM For The Sixth time

All India Anna Dravida Munnetra Kazhagam (AIADMK) chief J Jayalalithaa has sworn in as CM of Tamil Nadu.

UN Appoints Mary Robinson, Macharia Kamau As Special Envoys For El Nino, Climate

United Nations (UN) Secretary General Ban Ki-moon has appointed Mary Robinson and Macharia Kamau as UN's Special Envoys for El Nino and Climate.

Anurag Thakur elected as the new BCCI president, Ajay Shirke as secretary

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. Apart from him, Ajay Shirke has been appointed as the BCCI Secretary.

Binali Yildirim set to become PM of Turkey

Transport Minister of Turkey Binali Yildirim is all set to become as the country's Prime Minister. He was named as the PM after he was formally chosen for the post in a closed vote.

OBITUARIES

Noted Telangana poet and lyricist Guda Anjaiah dies

Noted Telangana poet and lyricist Guda Anjaiah died at Ragannagudem, Telangana following a brief illness. He was 61.

Veteran Odia actress Manimala Devi passes away

Manimala Devi, veteran Odia actress, passed away following a prolonged illness at Bhubaneswar, Odisha. She was 86.

Renowned Educationalist Jeppiaar has passed away

Jeppiaar, a renowned politician-turned-educationalist and founder of Jeppiaar Educational Trust has passed away following a brief illness at Chennai. He was 85 years old.

Famous TV actress Ann Morgan Guilbert dies

Famous Television actress Ann Morgan Guilbert died after battling with cancer. She was 87.

Veteran Odia actress Manimala Devi passes away

Veteran theatre and film personality Manimala Devi, passed away. She was suffering from a prolonged illness at Bhubaneswar, Odisha. She was 90.

Renowned Hindi writer Mudrarakshasa has passed away

Distinguished Hindi writer, activist, thinker and cultural personality Mudrarakshasa has passed away after following a prolonged illness in Lucknow. He was 82 years old.

Assam Pradesh Congress President Anjan Dutta passes away

Assam Pradesh Congress President (APCC) Anjan Dutta has passed away in New Delhi. He was undergoing treatment at AIIMS for past several days. He was 64 years old.

A translator of Gabriel Garcia Marquez, Gregory Rabassa has passed away

A translator of worldwide influence and esteem who helped introduce Gabriel Garcia Marquez, Julio Cortazar and other Latin American authors to millions of English-language readers, Mr. Gregory Rabassa has passed away at the age of 94.

Donald Carr, former England Cricket captain passed away

Donald Carr, the former captain of England Cricket team has passed away. He was 89 years old.

Veteran journalist Inder Malhotra passed away

Veteran journalist and political commentator Inder Malhotra has passed away following a long illness in Delhi.

Actor Achyut Lahkar has passed away

Veteran theatre actor Achyut Lahkar has passed away at his resident, Pathsala in Barpeta district. He was 85 years old.

Karnataka Bank former chairman MS Krishna Bhat passes away

The former Chairman of Karnataka Bank Mr. M.S. Krishna Bhat has passed away in Mangaluru. He was 78 years old.

BJP MLA Rajendra Dadu killed In Road Accident

Bharatiya Janata Party (BJP) MLA from Nepanagar, Rajendra Dadu, was killed in an accident on the Indore-Bhopal road between Ashta and Sehore towns.

Legendary Canadian ice hockey player Gordie Howe dies

Canada's hockey icon Gordie Howe has passed away after a lengthy illness. He was 88 years old. He was commonly known as Mr. Hockey.

Former Kerala Assembly Speaker T S John passed away

Former Kerala Assembly Speaker T S John has passed away at a hospital at Chertala in Alapuzha. He was 74 years old. He was suffering from old age related ailments.

Veteran Journalist KK Katyal passes away

Veteran journalist KK Katyal has passed away after a brief illness in Delhi. He was 88 years old.

Veteran musician, composer of Nepali national anthem, Mr. Amber Gurung passed away

Amber Gurung, the renowned Nepali musician, and composer of the country's national anthem has passed away at the Grande International Hospital in Dhapasi. He was 78 years old.

Chess Grandmaster Viktor Korchnoi passed away

Chess grandmaster Viktor Korchnoi has passed away in Wohlen, Switzerland. He was 85 years old.

Veteran actress Sulabha Deshpande passed away

Eminent actress and theatre personality Sulabha Deshpande has passed away in Mumbai. She was 79 year old.

India's first Mr Universe Manohar Aich passes away

India's first Mr Universe Manohar Aich has passed away in Kolkata. He was 104 year old.

Boxing Legend Muhammad Ali Dies At 74

Muhammad Ali, former world magnificent heavyweight boxing champion passed away at the age of 74.

Former Eden Gardens curator Prabir Mukherjee passes away

Eden Garden's renowned curator Prabir Mukherjee has passed away in Kolkata. He was 86 year old.

Bollywood actor and Comedian Razzak Khan passes away

Famous comic star Razzak Khan, who is popularly known for his comic roles in movies like Hello Brother, Hungama and Hera Pheri has passed away after having a heart attack in Mumbai.

Noted Kannada writer D Javare Gowda passes away

Noted Kannada writer D. Javare Gowda has passed away following a cardiac arrest in Mysuru. He was 101 year old. He was popularly known as 'De Ja Gow' in literary circles.

Former Lok Sabha MP Rudra Madhab Ray passes away

Former Lok Sabha MP from Odisha and senior BJP leader Rudra Madhab Ray has passed away in Bhubaneswar. He was 80 year old.

Actor Suresh Chatwal passes away in Mumbai

Veteran film and television actor Suresh Chatwal has passed away in Mumbai. Chatwal, who made his debut with the 1969 film 'Rakhi Rakhi', worked in several Bollywood films including 'Karan Arjun', 'Munna Bhai MBBS' and 'Om Shanti Om'.

Noted Marathi literary critic R G Jadhav has passed away

R G Jadhav, a noted Marathi critic and litterateur has passed away at his residence in Mumbai following prolonged illness. He was 83 year old.

Veteran Communist leader KC Mathew passes away

Veteran communist leader KC Mathew has passed away in Kochi. He was ailing and undergoing treatment for nearly a month. He was 92 year old.

Newly elected AIADMK MLA 'S.M. Seenivel' passes away

SM Seenivel, a newly elected MLA of the All India Anna Dravida Munnetra Kazhagam (AIADMK) in the new Tamil Nadu Assembly has passed away in a private hospital in Bibikulam in Madurai. He was 65 year old.

Afghan Taliban Sources Confirm Death Of Leader Mullah Akhtar Mansour

Senior Afghan Taliban sources confirmed the death of their chief Mullah Akhtar Mansour in a US drone strike, adding that a council is underway to decide his successor.

Pink Panther star, Burt Kwouk has passed away

Mr. Burt Kwouk, who was best known for playing Inspector Clouseau's manservant Cato in the Pink Panther films. He was 85 year old.

Veteran CPI(M) leader K Anirudhan passes away

CPI(M) veteran and former MLA and MP K Anirudhan has passed away at his residence at Vazhuthacaud. He was 92 year old.

World's oldest Olympic champion, Sandor Tarics has passed away

The oldest living Olympic champion Sandor Tarics has passed away at home in San Francisco. He was 102 year old.

AWARDS

Kannada film 'Thithi' wins best film award in 19th Shanghai International Film Festival

'Thithi', a Kannada film won the best film award and best script writers award at the Asia New Talent Awards at Shanghai International Film Festival. The director is Raam Reddy.

Kerala Tourism bags four awards at 'FilmAT' International Film Festival in Poland

Kerala Tourism won four awards at 'FilmAT' which is one of the biggest international film festivals dedicated to tourism, art and ecology in Poland. 'Responsible Tourism' initiative started by Kerala Tourism won three awards.

Margaret Atwood wins 2016 Pen Pinter Prize

Renowned Canadian poet, novelist, literary critic, essayist, and environmental activist Margaret Atwood has been chosen for the prestigious 2016 Pen Pinter Prize.

Syed Nayeemuddin, to be conferred with Mohun Bagan Ratna

Mohun Bagan (Athletic Club) will honour country's only Dronacharya football coach Syed Nayeemuddin with the Mohun Bagan Ratna. He is an Indian football coach and former player.

Indian Diabetes specialist Shashank S Shah wins Vivian Fonseca Scholar Award 2016

Pune-based top diabetes specialist Shashank S Shah was conferred with the Vivian Fonseca Scholar Award 2016. He was selected for his research titled Gastric Bypass vs. Medical/Lifestyle Care for Type 2 Diabetes.

Karnataka Bank gets award

Karnataka Bank Ltd won Jamnalal Bajaj award for fair business practices. The bank has been awarded under the 'service enterprises – large' category.

President Mukherjee receives highest civilian award of Ivory coast

President Pranab Mukherjee has been awarded the highest civilian award of Ivory Coast, 'the National Grand Crois'. The award was bestowed upon Pranab Mukherjee during his two days visit to Ivory.

BAI announces Rs10L award for Saina for Sydney win

Badminton Association of India (BAI) has announced a reward of 10 lakh Rupees for Saina Nehwal for winning the Australian Open Super Series badminton tournament in Sydney.

AAI conferred national award for best performing central PSU for Green Energy initiatives

The Airport Authority of India has been awarded the National Award for Best Performing Central PSU for Roof Top Solar Power initiatives at a function in Vigyan Bhawan, New Delhi.

IOC honours IOA chief N Ramachandran with Olympic Order

Indian Olympic Association president N. Ramachandran has been awarded with the prestigious Olympic Order by the International Olympic Committee (IOC) for his outstanding services to the Olympic movement.

Akhil Sharma wins €100,000 Dublin International literary award

An Indian American author Mr. Akhil Sharma has won the prestigious 2016 International DUBLIN Literary Award for his novel 'family life'.

Indian-origin professor in UK awarded by Queen

Eminent Indian-origin professor Lord Kumar Bhattacharyya has been awarded the prestigious Regius Professorship in Manufacturing by Queen Elizabeth II for his outstanding contribution in manufacturing.

PM Modi conferred with Amir Amanullah Khan Award, Afghanistan's top civilian honour

PM Narendra Modi was conferred with Afghanistan's highest civilian honour, the Amir Amanullah Khan Award. He was conferred with the award by Afghan President Ashraf Ghani.

Sudarsan Pattnaik wins gold in People's Choice Prize

Renowned Indian sand artist Sudarsan Pattnaik has won the gold medal in people's choice prize at world championship festival of sand sculpting Russe, 2016, which was held in Bulgaria.

V.O.Chidambaranar Port Bags National Award For Excellence In Cost Management

V.O. Chidambaranar Port has bagged National Award for Excellence in Cost Management for the year 2015 from The Institute of Cost Accountants of India (ICAI) under the category of Public Service Sector- Small.

Dr. R Seetharaman conferred with 2016 Green Economy Visionary Award

A Qatar-based Indian banker Dr. R Seetharaman has been awarded with the 2016 'Green Economy Visionary award'. He won the award for his contribution in environment-friendly activities.

AR Rahman conferred with Japan's Fukuoka prize 2016

Renowned Indian music composer A. R. Rahman has been awarded with the Japan's Fukuoka prize 2016 for his outstanding contribution towards creating, preserving and showcasing South Asian traditional fusion music.

Indian-American scientist Arnab De wins Springer Theses Award

An Indian-American scientist Arnab De has received the prestigious Springer Theses Award in recognition for his outstanding research in which he developed transgenic mice to study a critical tumour-suppressor called A20.

Indian author Aditi Krishnakumar wins Asian Book Award

A 31 year old Indian woman author, Aditi Krishnakumar has won the 'Scholastic Asian Book Award' for her 32,000-word manuscript rooted in "love of Indian history".

Arunachal tiger reserve bags biodiversity award

Arunachal Pradesh's Pakke Tiger Reserve of East Kameng district has received the 'India Biodiversity Award 2016' in one of its four categories.

Sunil Bharti Mittal receives Harvard Alumni award

Founder and chairman of Bharti Enterprises, Mr. Sunil Bharti Mittal has received this year's Harvard Business School Alumni Achievement Award.

Indian-American Rishi Nair wins 28th annual National Geographic Bee Competition

A 12 year old, Indian American student Rishi Nair has won the prestigious National Geographic Bee competition 2016.

US engineer Frances Arnold wins Millennium Technology Prize

US biochemical engineer, Frances Arnold has won the Millennium Technology Prize for her work 'directed evolution' in Finland.

Sikkim CM Pawan Chamling conferred with Nepal's literary award

Sikkim CM Pawan Chamling has been conferred with the Yug Kavi Siddhicharan Award by Nepal PM K P Sharma Oli for his commendable contributions in promoting Nepali literature in India.

Ken Loach's film I, Daniel Blake wins Palme d'Or at Cannes Film Festival

Veteran British director Ken Loach film I, Daniel Blake has won his second Palme d'Or at the 69th Cannes Film Festival, France.

DEFENCE NEWS

NATO launches biggest ever Joint Military Exercise Anaconda-16 in Poland

The North Atlantic Treaty Organization (NATO) members and partners launched Anaconda-16 Exercise, the biggest ever joint military exercise in Poland.

HAL unveils indigenous basic trainer aircraft HTT-40

Public sector aerospace and defence major Hindustan Aeronautics Limited (HAL) has unveiled indigenous Basic Trainer Aircraft (BTA) HTT-40 in Bengaluru.

India, Japan, and the US begin Malabar Exercise near the South China Sea

India, Japan, and the US have kicked off the Malabar Exercise, near to the South China Sea. The 8-day joint exercises will see in action over 100 aircraft and 22 naval ships including a nuclear submarine.

Indo-Korean Coast Guards To Undertake Joint Exercise To Combat Piracy

Coast Guard teams of India and Korea are warming up for a joint exercise codenamed 'Sahyog-Hyeobleod-2016', the exercise is being scheduled in the Bay of Bengal, off Chennai.

India-UAE Air Combat Exercise, Desert Eagle-II, Concludes

Desert Eagle II, the second in the series of bilateral air exercises between the Indian Air Force (IAF) and the United Arab Emirates Air Force (UAE AF), concluded at the Al Dhafra Air Base in the UAE.

Manohar Parrikar Inaugurates Second Submarine Assembly Workshop In Mazgaon

Second submarine assembly workshop of the Mazagon Dock Limited (MDL) has been inaugurated by Defence Minister Manohar Parrikar.

Indian Air Force Successfully Test Fires Brahmos Missile At Pokhran

The Indian Air Force successfully test-fired a land-attack version of the supersonic cruise missile, BrahMos at the Pokhran field firing range in Jaisalmer, Rajasthan.

India-Russia Agree To Export BrahMos

India and Russia have agreed 'in principle' to export the world's fastest anti-ship cruise missile, BrahMos, to UAE, Vietnam, South Africa and Chile.

Indian Coast Guard Ship ARUSH Commissioned

The Indian Coast Guard ship 'Arush', the 17th in the series of twenty Fast Patrol Vessels (FPVs), designed and built by M/s Cochin Shipyard Limited, was commissioned at Kochi by the Coast Guard Commander (Western Seaboard) Additional Director General SPS Basra.

Manohar Parrikar Releases Booklet On Defence Production Works In 2 years

A booklet highlighting the efforts made by Department of Defence Production in the last two years for self-reliance in Defence sector was released by Defence Minister Manohar Parrikar. The booklet titled 'Department of Defence Production in Pursuit of Self Reliance'.

INS Tarmugli Joins The Indian Navy

The Indian Navy has commissioned the highly maneuverable Fast Attack Craft INS Tarmugli at the hands of Vice Admiral HCS Bisht AVSM, Flag Officer Commanding-in-Chief, Eastern Naval Command.

Centre Sets Up Panel To Relook Defence Spend

Union Government has constituted 11 members committee to recommend measures to enhance the combat capabilities of the armed forces and re-balance the overall defence expenditure. The 11-member committee will be headed by Lt Gen D B Shekatkar (retd).

27th India and Indonesia CORPAT concludes in Belawan

The 27th edition of the India-Indonesia CORPAT (Coordinated Patrol) has concluded in Belawan, Indonesia.

RANKS & REPORTS

Union Government Releases The Road Accidents In India 2015: Report

The Union Minister of Road Transport and Highways Nitin Gadkari has launched the report titled Road Accidents in India 2015. According to the report, road accidents have emerged as a major

public health problem in India where almost 5 lakh accidents occurred last year killing 146000 people. According to the report, Mumbai had the highest number of road accidents while Delhi had the highest number of deaths due to road accidents.

Pakistan Tops in 2016 Malware Infection Index

Pakistan has topped the list of 19 countries figuring in the 2016 Malware Infection Index (MII) in the Asia-Pacific region. The index for the Asia-Pacific region was released by technology giant Microsoft in which India was placed at 8th position. Pakistan topped the list.

India Ranks Low At 141st Place In Global Peace Index

India was ranked low at 141st place on a Global Peace Index (GPI) in 2015. In a ranking of total 163 countries, Iceland was ranked as the world's most peaceful country, followed by Denmark and Austria.

SBI, ICICI Bank heads among four Indians in Forbes 'Powerful Women' list

Four Indian women, including SBI Managing director Arundhati Bhattacharya and ICICI Bank Managing director Chanda Kochhar, are in the new list of Forbes' world's 100 most powerful women. The Forbes '100 Most Powerful Women' in the world list 2016, topped by German Chancellor Angela Merkel.

Walmart Retains Top Position In Fortune 500 List

American multinational retail corporation, Walmart is topped the Fortune 500 list for the 4th consecutive year. Apple, which was the most profitable company on the list, with \$53 billion in profits, was among companies making big moves this year, jumping to No. 3 from No. 5 last year.

India Is Now Number 2 In Ease Of Doing Business Index

According to 2016 Global Retail Development Index (GRDI), India has jumped 13 positions from last year to rank second among 30 developing countries this year on ease of doing business, topped by China.

Two Indian Origin Women Feature In Forbes 'Richest Self-Made Women' List

Two Indian-origin women have featured on the Forbes' annual list of America's 60 wealthiest and most successful self-made women entrepreneurs. Neerja Sethi got the 16th rank on this list, while

Jayshree Ullal, president and CEO of Arista Networks grabbed the 30th rank. The list is topped by Diane Hendricks.

SCIENCE AND TECHNOLOGY

SpaceX successfully launches two commercial satellites

United State based private space transport service company SpaceX successfully launched two commercial satellites viz. EUTELSAT 117 West B and ABS-2A. They were launched using SpaceX's reusable Falcon 9 rocket.

NASA successfully Deploys BEAM, First Inflatable Room Attached To International Space Station

United states (US) space agency National Aeronautics and Space Administration (NASA) has successfully deployed the first experimental inflatable room attached to the International Space Station (ISS). The experimental inflatable room dubbed as BEAM (Bigelow Expandable Activity Module).

Scientists for the first time grow living bone in lab

Scientists for the first time in modern medical history have grown a living bone in the lab. This medical breakthrough was achieved by a new technique developed by Gordana Vunjak-Novakovic, professor at Columbia University.

New Jupiter-like planet is largest yet discovered orbiting two stars

Scientists have discovered a Jupiter-like planet, Kepler-1647b (part of the Kepler-1647 system), orbiting a system of two stars, making it the largest such cosmic body ever found.

Hubble Telescope uncovers Solitary Galaxy, UGC 4879

The Hubble Space Telescope has uncovered a mysterious solitary dwarf galaxy – a type that is smaller and messier than its cosmic cousins, lacking the majestic swirl of a spiral or the coherence of an elliptical. This galaxy is known as UGC 4879.

China launches 23rd BeiDou Navigation Satellite

China has launched its 23rd satellite in the BeiDou Navigation Satellite System (BDS). The satellite launched from the Xichang Satellite Launch Center in southwest China's Sichuan Province will support China's global navigation and positioning network.

Airbus Presents 3D-Printed Mini Aircraft

Aerospace company Airbus has displayed the world's first 3D-printed aircraft THOR at the International Aerospace Exhibition in Schoenefe. The drone THOR is short for Test of High-tech Objectives in Reality and it resembles a large, white model airplane.

Scientists Develop 'Bionic Leaf'

A team of scientists from Harvard University (United States) has created a unique bionic leaf that uses sunlight (solar energy) to split water molecules into oxygen and hydrogen-eating bacteria to produce liquid fuels from CO2.

China Successfully Launches Three Satellites

China has successfully launched three (one domestic and two foreign) satellites namely Ziyuan III 02 satellite and two NewSat satellites. They were launched on the back of a Long March 4B rocket from the Taiyuan Satellite Launch Centre in northern Shanxi Province.

ISRO To Test Air-breathing Propulsion System

After successfully testing a technology demonstrator of a reusable launch vehicle, Indian Space Research Organisation (ISRO) is planning to test an air-breathing propulsion system, which aims to capitalise on the oxygen in the atmosphere instead of liquefied oxygen while in flight.

World's First 3D-Printed Office Opens In Dubai

Dubai has opened the world's first functioning 3D-printed office building, part of a drive by the Gulf's main tourism and business hub to develop technology that cuts costs and saves time.

India's First Reusable Space Shuttle, RLV-TD Launched From Sriharikota

Indian Space Research Organisation (ISRO) has successfully launched its maiden indigenous winged Reusable Launch Vehicle (RLV) from Sriharikota spaceport in Andhra Pradesh. It was carried up on a solid rocket motor (SRM).

INTERNATIONAL NEWS

PM Narendra Modi, Sri Lankan President inaugurate Duraipappah stadium in Jaffna

PM Narendra Modi along with Sri Lankan President Maithripala Sirisena have inaugurated Duraipappah Stadium in Jaffna, Sri Lanka which was renovated by India.

India and South Korea launch Korea Plus platform to promote investments

India and South Korea have launched a platform 'Korea Plus' to promote and facilitate investments from the East Asian country to India. It was launched by the Union Commerce and Industry Minister Nirmala Sitharaman and her South Korean counterpart Joo Hyunghwan in New Delhi.

Netaji Subhash Chandra Bose's statue unveiled in Malaysia

A bronze statue of Netaji Subhash Chandra Bose has been unveiled at the Indian cultural centre premises in Malaysia in the presence of nine Indian National Army (INA) veterans.

Rio declares financial crisis

Rio de Janeiro's governor declared a state of financial emergency and requested federal funds to help fulfill obligations for public services during the Olympics that start Aug. 5.

North America to have its first sanctuary for dolphins

Baltimore's National Aquarium has announced its plan to create an Oceanside dolphin sanctuary. This will be first of its kind sanctuary for the marine mammals in North America.

Russia launches most powerful nuclear icebreaker Arktika

Russia's new Project 22220 nuclear-powered icebreaker dubbed Arktika was launched from the Baltic Shipyard in Russia's second largest city of St. Petersburg. Project 22220 is the world's largest and most powerful vessel of its kind.

Petroleum Minister to visit St Petersburg to represent India at the SPIEF

Shri Dharmendra Pradhan, the Minister of State (I/C) for Petroleum and Natural Gas visited St Petersburg, Russia, to represent India at the St Petersburg International Economic Forum (SPIEF).

India to provide Rs 48 mn aid for college building in Nepal

India has pledged a financial assistance of Rs 48.84 million to Nepal for the construction of a college building in the capital Kathmandu.

President embarks on a six-day visit of three African nations

President Pranab Mukherjee has begun his six-day three-nation visit to Ghana, Cote d'Ivoire and Namibia. This is the maiden visit of any Indian President to Ghana and Ivory Coast whereas to Namibia, such a visit comes after two decades.

Ex-vice President Of Maldives Jailed for 15 years for Plotting President's Assassination

The former Vice President of Maldives, Ahmed Adeb has been convicted of plotting to assassinate the President. He has been given a sentence of 15 years.

Nepal Deputy PM visited India

Nepal's Deputy PM Mr. Kamal Thapa arrived New Delhi for a three-day visit. Mr. Thapa, who is also Nepal's Foreign Minister hold the talks with External Affairs Minister Sushma Swaraj on a range of bilateral issues which also includes, Nepal's Constitution and internal situation.

ADB approves \$100 mn loan for irrigation system in TN

Asian Development Bank has approved a USD 100 million (around Rs. 660 crores) loan to strengthen a key irrigation system and improve water management in the Vennar sub-basin of Cauvery Delta in Tamil Nadu.

PM Modi, Ghani inaugurates Afghan-India Friendship Dam

PM Narendra Modi and Afghanistan President Dr. Ashraf Ghani jointly inaugurated the Afghan-India Friendship Dam at Herat province in Western Afghanistan. The Dam was earlier known as Salma Dam. It is built on Hari river.

International Monetary Fund provided loan to Sri Lanka

The International Monetary Fund (IMF) has approved 1.5 billion US dollar loan to Sri Lanka to help its economy.

US returns 200 artifacts worth USD 100 mn to India

The US has returned over 200 stolen cultural artifacts to India, some dating back 2,000 years. The estimated cost of these artifacts is around US\$ 100 million.

President Pranab Mukherjee to get the highest award of Ivory Coast

President Pranab Mukherjee presented the National Order of the Republic of Ivory Coast. This is the highest award of the West African Country.

Middle East peace talks to held in Paris

A French-led conference, Middle East peace summit which aimed at reviving the Israeli-Palestinian peace process held in Paris. It will bring together officials from the Middle East Quartet, the UN, Arab League and other countries, but Israel and the Palestinians will not participate.

India gifts 2,000 bicycles to poor dalit girls in Nepal

India has gifted 2,000 bicycles to poor dalit girls in different government schools of Nepal to encourage them to enrol in schools and enhance the literacy rate among them.

Asia's largest tech trade show COMPUTEX kicks off in Taipei

Asia's largest technology trade show COMPUTEX has kicked off in Taipei, Taiwan. The show held for 5 consecutive days. The trade show has been organized by TAITRA (Taiwan External Trade Development Council) and TCA (Taipei Computer Association).

US Secretary of State John Kerry to host Ocean Conference in September

US Secretary of State John Kerry will host the third "Our Ocean" conference in September at Washington DC, US. The main agenda of the conference will be to tackle some key issues like marine pollution, and climate- related impacts on the ocean.

India and Morocco launch Chamber of Commerce and Industry

The India and Morocco have launched the India-Morocco Chamber of Commerce and Industry (IMCCI) in Rabat which was inaugurated by Vice President Mohammad Hamid Ansari and Moroccan PM Abdelilah Benkirane to accelerate the pace of economic development between the two countries.

Vice President Hamid Ansari visited Morocco and Tunisia

Vice President of India, Mr. Hamid Ansari visited North African nations of Morocco and Tunisia. During the visit, he holds deliberations with top leaders of both the countries, with an aim to strengthen bilateral relations and explore new areas of co-operation.

Barack Obama becomes first US president to visit Hiroshima bomb site

The US President Barack Obama has become the first incumbent US president to visit the site of the Hiroshima atomic bombing. He paid tribute to the 140,000 people killed by the world's first atomic bomb attack.

Sadhguru lead the yoga session at UN on 2nd International Yoga Day

Spiritual leader and Isha Foundation founder, Sadhguru Jaggi Vasudev lead the yoga session at the UN on the occasion of the second International Yoga Day.

World leaders kick off G7 talks with economy in focus

The World leaders two days of G7 talks held in Japan with the deteriorating global economy, terrorism and refugees crisis, China's controversial maritime claims, and a possible Brexit headlining on top the agenda.

World First Humanitarian Summit held at Istanbul, Turkey

The first-ever World Humanitarian Summit was held in Istanbul since World War II. The summit was inaugurated by the UN Secretary-General Ban Ki-moon and hosted by Turkey's President Recep Tayyip Erdogan.

India signs US\$100 mn loan agreement with World bank

The GOI signs US\$100 mn loan agreement with World bank (IBRD) for the Karnataka Urban Water Supply Modernization project.

US lifts embargo on sales of lethal weapons to Vietnam

US President Barack Obama has announced an end to its embargo on sales of lethal weapons to Vietnam. Its one time enemy.

Defence Minister of India attended security dialogue in S'pore

Defence Minister Manohar Parrikar attended security dialogue in Singapore for the key Shangri-La Dialogue focussing on inter-governmental security and also undertake a two-day bilateral visit to Vietnam to deepen military ties.

World Bank launches \$500 mln insurance fund to fight pandemics

The World Bank Group has launched Pandemic Emergency Financing Facility and launched a \$500 million fund to fight Pandemics in poor countries and creating the world's first insurance market for pandemic risk.

India, Thailand, Myanmar to be connected by a 1400-km road

India, Thailand and Myanmar will soon be connected by a 1,400-kilometre highway, to boost the trade and cultural exchanges among the three countries. This will be the first time when India reportedly connect to other South East Asian nations by road.

US President on a visit to Vietnam and Japan

U.S. President Barack Obama is on a three day visit to Vietnam and Japan. This is the first visit of Obama's to Vietnam as an American president which aimed at sealing the transformation of an old enemy into a new partner.

G-7 summit 2016 : Finance Ministers and central bank governors meet in Sendai

Finance ministers and central banks governor from the Group of Seven developed nations kicked off the first day of their meeting in Sendai, Japan.

International Buddhist conference begins in Nepal

A two day International Buddhist conference has begun in Nepal to celebrate the 2,560th birth anniversary of Lord Buddha. The theme of the conference is "Lumbini, Nepal: the birth place of Lord Buddha and the fountain of Buddhism and world peace".

SUMMITS

State finance ministers meet on GST in Kolkata

The two-days meeting of the committee on Goods and Services Tax (GST) consisting of the finance ministers of all the states held in Kolkata in the presence of Union Finance Minister Mr. Arun Jaitley.

United Nations World Humanitarian Summit concluded

The United Nations World Humanitarian Summit concluded in Istanbul, Turkey. It was organised by the United Nations Office for the Coordination of Humanitarian Affairs (UN OCHA). The main achievement was the **Grand Bargain**, which is the name for a set of 51 commitments to reform humanitarian financing to make emergency aid finance more efficient and effective.

PM inaugurated 2-day Conference of Tax Administrators

PM Narendra Modi inaugurated the two-day Annual Conference of Senior Tax Administrators of Central Board of Direct Taxes (CBDT) & Central Board of Excise & Customs (CBEC) at Vigyan Bhavan in New Delhi.

National Health Editor's Conference held in Delhi

The National Health Editor's Conference theme was Yoga for Holistic Health - Recent Researches. The conference aims at ensuring wider dissemination of benefits of Yoga to the public through the media.

42nd G7 Summit concluded in Japan

The 42nd G7 Summit was held at Ise-Shima in Japan. During the summit, the member countries discussed a wide range of major global economic and political challenges and approved the G7 Ise-Shima Leaders' Declaration.

Asia's largest annual security forum Shangri-La Dialogue inaugurates in Singapore

Asia's largest annual security forum Shangri-La Dialogue was inaugurated in Singapore. It is the 15th Asia Security Summit to openly discuss and debate security matters in the Asia-Pacific region.

BOOKS AND AUTHORS

A Life in Diplomacy authored by MK Rasgotra

The book titled A Life in Diplomacy was released. The book was written by former Indian diplomat Maharajakrishna Rasgotra.

The Unseen Indira Gandhi authored by Dr KP Mathur released

A new book The Unseen Indira Gandhi authored by Dr KP Mathur was released .

Book Gujarat Files released

The Book titled Gujarat Files: Anatomy of a Cover Up authored by Rana Ayyub was released.

A Call to Mercy: Hearts to Love, Hands to Serve by Mother Teresa

The book titled A Call to Mercy: Hearts to Love, Hands to Serve was released. The book is a collection of previously unreleased writings by Mother Teresa.

My Favourite Nature Stories authored by Ruskin Bond released

The book titled My Favourite Nature Stories authored by famous author Ruskin Bond was released.

IMPORTANT DAYS

International Yoga Day : 21st June

India and the whole world celebrated the International Day of Yoga, or commonly and unofficially referred to as Yoga Day annually on 21st June. The theme for 2016 International Day of Yoga is "Connect the Youth".

International Day for the Elimination of Sexual Violence in Conflict observed

First International Day for the Elimination of Sexual Violence in Conflict was observed on 19 June 2016. The day was observed to raise awareness for the need to put an end to conflict-related sexual violence.

World Day to Combat Desertification 2016 observed

World Day to Combat Desertification (WCD) 2016 was observed across the world on 17 June 2016. Inclusive cooperation for

achieving Land Degradation Neutrality was the theme for the 2016 WDCD.

World Elder Abuse Awareness Day observed

World Elder Abuse Awareness Day was observed globally on 15 June 2016. The day is observed to voice against abuse and suffering inflicted on older people.

14 June: World Blood Donor day

Every year the World Blood Donor Day (WBDD) is being observed across the world on 14 June to raise the public awareness about the need for safe blood donation. The theme for the year 2016 is - "Blood connects us all".

12th June : World Day Against Child Labour

Every year the World Day against Child Labour has been organised on 12th of June by all the countries. The theme for this year is 'End child labour in supply chains - It's everyone's business.'

World Milk Day observed globally

World Milk Day was observed across the world on 1 June 2016. It is observed to increase awareness on milk and to publicise activities connected with milk and the milk industry.

United Nations Public Service Day 2016 observed globally

The United Nations Public Service Day was celebrated by the United Nations (UN) on 23 June 2016. The day was celebrated to mark the invaluable contributions of public servants and administrators to build a better world for all.

International Widows' Day 2016 observed globally

The International Widow's Day 2016 was celebrated across the world on 23 June 2016. The day was celebrated to raise awareness on the troubles of widowed women.

World Hydrography Day 2016 observed

World Hydrography Day (WHD) 2016 was observed on 21 June 2016 across the world. The theme for the WHD 2016 was Hydrography - the key to well-managed seas and waterways.

International Albinism Awareness Day observed

Second International Albinism Awareness Day was observed on 13 June 2016. The day is observed to recognize the importance of increasing awareness and understanding of albinism in order to fight against global discrimination and stigma against persons with albinism.

World Oceans Day observed across the world

The World Oceans Day was observed globally on 8 June 2016 with the theme Healthy oceans, healthy planet. The main focus of this year's theme is on curbing the plastic pollution.

World Environment Day celebrated

World Environment Day (WED) was observed globally on 5 June 2016 with theme Zero tolerance for the illegal trade in wildlife.

International Day of Innocent Children Victims of Aggression 2016 observed

The International Day of Innocent Children Victims of Aggression 2016 was observed across the world on 3 June 2016. The purpose of the day is to acknowledge the pain suffered by children throughout the world who are the victims of physical, mental and emotional abuse.

World No Tobacco Day 2016 observed across the world

The World No Tobacco Day (WNTD) 2016 was observed globally on 31 May 2016.

International Day of United Nations Peacekeepers 2016 observed with theme Honouring Our Heroes

The International Day of United Nations Peacekeepers 2016 was observed on 29 May 2016 with the theme Honouring Our Heroes.

VISITS

Thailand PM Chan-ocha arrived in New Delhi

PM of Thailand, Prayuth Chan-ocha, arrived in New Delhi for a three-day visit aimed at reviewing bilateral relations. It is Prayuth's first visit to India.

FM Arun Jaitley visited Japan

Union Finance Minister Arun Jaitley visited Tokyo, Japan. He had meetings with CEOs of Japanese companies including Soft Bank in Tokyo. He also attended the 22nd International Conference on The Future of Asia.

PM Narendra Modi visited

PM Narendra Modi is on a two-day official visit of Iran, during which the trilateral agreement between India, Iran and Afghanistan to develop the Chabahar port in that Gulf nation

signed. The PM will also inaugurate an Indian cultural festival in Iran.

President Pranab Mukherjee visited China

President Pranab Mukherjee visited China. He visited China at the invitation of his Chinese counterpart President Xi Jinping. During the visit the President will be holding bilateral meetings with top Chinese leadership including his counterpart Xi Jin Ping and PM Li Keqiang.

SPORTS NEWS

India won Silver medal at Archery World Cup in Antalya

The Indian mixed recurve team of Deepika Kumari and Atanu Das has won silver at the Archery World Cup in Antalya, Turkey. Indian team lost to South Korea 1-5 in the final at Konyaalti Beach Park.

106-year-old Aida Gemanque becomes oldest Olympic torch bearer

Three years after becoming the world's oldest skydiver, Aida Gemanque became the oldest Olympic torch bearer, when she carried the flame in the Amazonian city of Macapa, aged 106.

Sri Lankan pacer Shaminda Eranga suspended by ICC for illegal action

International Cricket Council (ICC) has suspended Sri Lanka's fast bowler Shaminda Eranga from bowling. He was suspended after an assessment of his bowling action.

Australia won Hero Hockey Champions Trophy 2016

Australia beat India 3-1 in the final of Champions Trophy Hockey tournament in London. India settled for silver after losing to Australia in penalty shootout. The game finished with the score locked at 0-0 but later Australia scored a goal in the shoot-out reducing the score to 1-0 and won the final match to win the Gold medal.

Nico Rosberg wins European Grand Prix 2016

Mercedes German driver Nico Rosberg won the European Grand Prix at the Baku City Circuit. Ferrari driver Sebastian Vettel of Germany finished second and Mexican Sergio Perez, who drives for Force India, took third place.

'A new world' - the Official slogan for Rio Olympics

The Rio 2016 organising committee revealed the official slogan for the first Olympic and Paralympic Games in South America – "A

new world" – while also unveiling the medals, 52 days from the start of the quadrennial extravaganza.

Dhoni becomes maiden Indian keeper to complete 350 ODI dismissals

Mahendra Singh Dhoni became the first Indian wicketkeeper and fourth in the world to complete 350 dismissals in One-Day International (ODI) cricket.

India won three-match ODI Series against Zimbabwe

India won the three-match One Day International (ODI) series against Zimbabwe 3-0.

Awards from the ODI series:

1. Emerging player of the series - Yuzvendra Chahal.
2. Man of the series - KL Rahul (196 runs in 3 matches, 1 century, 2 fifties)
3. Highest Run getter: KL Rahul (196 runs in 3 matches).
4. Highest Wicket taker: Jasprit Bumrah (9 wickets).

India receive wildcard, set for maiden show at U17 Futsal World Cup

India are set to make their maiden appearance in the Under 17 Futsal World Cup next month, after being invited by the sport's governing body, the Association Mundial de Futsal (AMF), as a wild card to take part in the event.

Indian men's 4x400m relay team breaks 18-year-old national record

The Indian men's 4x400m relay team has created a new national record, clocking 3:02.17 at the International Sprint and Relay Teams Cup at Erzurum, Turkey.

Lewis Hamilton wins 2016 Canada Grand Prix of Formula 1

Mercede's Lewis Hamilton won the Canadian Grand Prix after a tense strategic battle with Sebastian Vettel's revived Ferrari in the final race held in Montreal, Canada.

Usain Bolt win the 100m in 9.88 seconds at Racers Grand Prix 2016

Olympic champion Usain Bolt graced local fans with a blistering season's best run of 9.88 seconds to win the men's 100 metres at the inaugural Jamaica National Racers Grand Prix.

USA wins FINA women water Polo World League super final

The USA Women's Senior National Team won gold at the FINA Women Water Polo World League Super Final. The team defeated Spain 13-9 in the championship match in Shanghai, China.

Saina Nehwal Clinches Second Australian Open Title

Indian ace badminton player, Saina Nehwal received a huge boost ahead of the Rio Olympics as she clinched her second Australian Open title after defeating China's Sun Yu.

World's Highest-Paid Athletes: Cristiano Ronaldo Tops Forbes 2016 List

Real Madrid Cristiano Ronaldo has become the first athlete from a team sport in almost 20 years to top Forbes annual list of the World's Highest-Paid Athletes.

International Tennis Federation Bans Maria Sharapova For Two Years

The International Tennis Federation (ITF) has banned former Russian World No. 1 tennis player Maria Sharapova for two years over doping charges.

India to host Junior Men's hockey World Cup

The International Hockey Federation (FIH) has announced that the city of Nawab's -Lucknow, India will host the junior men's hockey World Cup. The Eleven-Daylong event will feature 16 teams.

Serena pips Sharapova world's top paid sportswoman

According to Forbes Magazine report, Serena Williams has overtaken Maria Sharapova as the world's highest-paid sportswoman. She earned USD 28.9 million over the past 12 months.

Judoka Avtar Singh Qualifies For Rio Olympics

South Asian Games gold medallist Indian judoka Avtar Singh has qualified for the 2016 Rio Olympic Games scheduled to be held in August 2016 in Rio de Janeiro, Brazil. He has qualified under 90kg weight category under the continental quota.

IBC Gets Affiliation from Commonwealth Boxing Council

The Indian Boxing Council (IBC), a licensing body for professional boxers in the country which has Vijender Singh among others on its roster, has been granted affiliation by the Commonwealth Boxing Council (CBC).

Argentina retain top spot in FIFA rankings

Argentina (1st) and Belgium (2nd) continue to hold on to the top two spots in the latest FIFA rankings, with Colombia rounding up the top three. India have fallen down one spot to 163.

Novak Djokovic becomes the first player to win a \$100m prize money

World number one Tennis Player Novak Djokovic has become the first professional tennis player to earn more than \$100 million in prize money.

Sri Lanka's Nuwan Kulasekara Retires From Test Cricket

Sri Lanka seamer Nuwan Kulasekara has announced his retirement from Tests to focus on limited-overs cricket.

Gurpreet Singh Sandhu first Indian to Play in European Top League

National football team goalkeeper Gurpreet Singh Sandhu has achieved a historic feat as he became the first Indian to feature in a top-tier league match in Europe by turning out for his Norwegian side Stabaek FC.

Alastair Cook Becomes Youngest Cricketer To Score 10000 Test Runs

England captain Alastair Cook has become the youngest ever batsman to cross 10,000 runs in Test cricket. Cook, who is 31 years and five months old, beat Indian batsman Sachin Tendulkar's record, who was 31 years and 10 months old when he crossed 10,000 runs.

Lewis Hamilton wins Monaco F1 Grand Prix

Three-time world champion Lewis Hamilton of Mercedes has won the Formula One season Monaco Grand Prix for the first time.

Discus Thrower Seema Punia clinches One More Berth For India At Rio Olympics

Booking one more Rio berth for India, Asian Games gold medalist Seema Punia qualified for the Rio Olympics at the Pat Young's Throwers Classic 2016 at California in the United States.

Real Madrid FC Wins 2016 UEFA Champions League

Real Madrid FC won the 2016 Union of European Football Associations(UEFA) Champions League for the record 11th time by defeating Atletico Madrid FC by 5-3 goals in penalty shootout.

Para Athlete Saroha Wins Gold In Record Breaking Performance

Indian para-athlete and Arjuna Awardee Amit Kumar Saroha from Haryana won the gold medal in men's club throw (F-51) at the recently concluded 2016 French Open Athletics Championship in Paris.

Sanjay Bangar Appointed As India's head Coach for Zimbabwe Tour

Sanjay Bangar is appointed as the head coach of Indian Cricket team for Zimbabwe tour. Besides his appointment BCCI also appointed Abhay Sharma as fielding coach and Koka Ramesh as the administrative team manager for the tour.

Banned Maria Sharapova Named In Russia's Olympic team

Russia has included Maria Sharapova in its Olympic tennis team despite the star player being suspended over a positive test for the banned drug meldonium.

Denmark Wins First Thomas Cup Badminton Tournament

Denmark has won the 2016 Thomas Cup badminton tournament. In the final match played at Kunshan, China, the Danish team defeated Indonesia 3-2.

Pankaj Advani creates history by winning Asian 6-Red Snooker title

India's ace cueist Pankaj Advani has created history in Abu Dhabi by clinching the Asian 6-Red Snooker title.

Mohun Bagan beats Aizawl FC 5-0 to lift 14th Fed Cup title

The Mohun Bagan has clinched the Federation Cup title for the 14th time. The team has floored Aizawl FC by a record 5-0 margin and regain the Federation Cup football title after eight years, at the Indira Gandhi Stadium in Guwahati.

Maurad Laachraoui wins European Taekwondo title

Belgian Mourad Laachraoui has won gold in the European Taekwondo Championships.

SCHEMES

HRD minister Smriti Irani launches Vidyanjali in New Delhi

HRD minister Smriti Irani has launched Vidyanjali, a school volunteer programme in New Delhi. It is an initiative under Padhe Bharat Badhe Bharat, to enhance community and private sector involving government-run elementary schools across the country.

Goyal launches Vidyut Pravah and Urja Mobile App in Goa to enhance consumer connectivity

Union Minister of State for Power, Coal and New and Renewable Energy Piyush Goyal has launched 'URJA'- Urban Jyoti Abhiyaan Mobile app. The app is developed by Power Finance Corporation to enhance consumer connect with the Urban Power Distribution sector.

The "HelpAge SOS App" launched by Smt. Kiran Bedi

The "HelpAge SOS App" provides for an SOS-Save our Seniors button to immediately reach to the counsellor desk of Help Age for rendering emergency help and assistance, apart from health related information. It has 24x7 functionality and aims at helping elders in distress at any given time.

Government approves civil aviation policy

The National Democratic Alliance (NDA) government approved the country's first National Civil Aviation Policy for increasing air connectivity. This is the first time since Independence that an integrated Civil Aviation Policy has been brought out.

The policy aims:

1. India to become 3rd largest civil aviation market by 2022 from 9th.
2. Domestic ticketing to grow from 8 crore in 2015 to 30 crore by 2022.
3. Airports having scheduled commercial flights to increase from 77 in 2016 to 127 by 2019.
4. Ensuring availability of quality certified 3.3 lakh skilled personnel by 2025.

Union Government Launches Scheme for Wind Power Project

The Union Ministry of New and Renewable Energy (MNRE) has launched a scheme for setting up of 1000 Mega Watt (MW) Wind Power Project connected to transmission network of Central Transmission Utility (CTU). The objective of the scheme is to facilitate the supply of wind power to the non-windy states.

MISCELLANEOUS

The Rise of Environmental Crime Report released by UNEP and INTERPOL

The report titled The Rise of Environmental Crime was released by the United Nations Environment Programme (UNEP) and INTERPOL. The report revealed that environmental crime grew up by 26 % larger than previous estimates of 2014.

Paralympic Committee Of India Gets Recognition

The International Paralympic Committee (IPC) with its headquarters in Germany has recognised the Paralympic Committee of India (PCI) led by Rao Inderjit Singh as the president.

Thailand Becomes The First Asian Country To Eliminate Mother To Child HIV: WHO

Thailand has received validation from WHO for having eliminated mother-to-child transmission of HIV and syphilis, becoming the

first country in Asia and the Pacific region and also the first with a large HIV epidemic to ensure an AIDS-free generation.

Four New Chemical Elements In The Periodic Table Get Names

The International Union of Pure and Applied Chemistry has announced the names of four elements in the periodic table that were discovered in January 2016. Moscovium (Mc), nihonium (Nh), tennessine (Ts) and oganesson (Og) complete the seventh row of the table. The elements — with atomic numbers 113, 115, 117 and 118 — were discovered in a joint effort by American and Russian scientists.

IBC Gets Affiliation From Commonwealth Boxing Council

The Indian Boxing Council (IBC), a licensing body for professional boxers in the country which has Vijender Singh among others on its roster, has been granted affiliation by the Commonwealth Boxing Council (CBC).

World's longest rail tunnel inaugurated in Switzerland

The world's longest and deepest rail tunnel, running under the Switzerland Alps inaugurated. The 57-kilometer long Gotthard Base Tunnel will connect northern and southern Europe and shorten travel time for many rail routes.

India Among Top 10 Steel Importers In 2015

India, the world's third largest steel producer, was among the top 10 importers of the alloy in 2015, according to the latest data by the global industry body World Steel Association (WSA).

'Encyclopedia' Of Languages Of Gujarat Published

The city-based Bhasha Research and Publication Centre has announced the publication of the Gujarat, Diu & Daman and Dadra & Nagar Haveli Volume of the People's Linguistic Survey of India Series (PLSI). The volume, edited by Kanjibhai Patel and published by Orient Blackswan, would be released by the Gujarat Governor O P Kohli.

'Pune Tops India's Value 5-Star Hotel Destinations In 2015'

The cultural capital of Maharashtra, Pune, has emerged as the best 5-star hotels destination where Indian travellers paid the least in 2015, with an average price of Rs 7,602 a night, according to the latest Hotels.Com Hotel Price Index (HPI) report.

Centre Sets Up Panel To Relook Defence Spend

Union Government has constituted 11 members committee to recommend measures to enhance the combat capabilities of the armed forces and re-balance the overall defence expenditure. The 11-member committee will be headed by Lt Gen D B Shekatkar (retd).

Lhakpa 1st lady to climb Mt Everest seven times

A 42 year old woman born in Nepal, Lhakpa Sherpa has climbed Mount Everest for the seventh time. With this she has braked her own record for the most ascents to the world's highest mountain by a woman.

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Handy Notes Aptitude : Simple Interest

Principal: The money borrowed or lent out for certain period is called the principal or the Sum.

Interest: Extra money paid for using other money is called interest.

If the interest on a sum borrowed for certain period is reckoned uniformly, then it is called simple interest.

Let Principal = P, Rate = r % per annum (p.a.), and Time = t years then

$$\text{Simple Interest (SI)} = \frac{(P \times r \times t)}{100}$$

Using this formula we can also find out

$$P = \frac{100 \times \text{SI}}{r \times t};$$

$$r = \frac{100 \times \text{SI}}{P \times t};$$

$$t = \frac{100 \times \text{SI}}{P \times r}.$$

Example

1. A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9 % p.a. in 5 years. What is the sum?

- A) Rs. 8045 B) Rs. 8925
C) Rs. 8900 D) Rs. 8032.45

Solution

$$\text{Here } 9 \times 5\% = 45\% = 4016.25$$

$$\text{So, } 100\% = \frac{4016.25 \times 100}{45} = 8925$$

2. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?

- A) 3 year B) 4 year
C) 5 year D) 6 year

Solution

$$4.5\% \text{ of } 450 = 20.25 \text{ (in 1 year)}$$

$$20.25 \times 4 = 81 \text{ (in 4 year)}$$

Compound Interest:

When compound interest is applied, interest is paid on both the original principal and on earned interest.

So for one year Simple interest and Compound interest both are equal.

Suppose if you make a deposit into a bank account that pays compounded interest, you will receive interest payments on the original amount that you deposited, as well as additional interest payments.

This allows your investment to grow even more than if you were paid only simple interest.

So Amount at the end of 1st year (or Period) will become the principal for the 2nd year (or Period) and Amount at the end of 2nd year (or Period) becomes the Principal of 3rd year.

Amount = Principal + Interest

$$A = P \left(1 + \frac{r}{100} \right)^n$$

A= Amount,

P= Principal,

r= Rate %,

n= no. of years.

$$\text{So Compound Interest} = \left[P \left(1 + \frac{r}{100} \right)^n - P \right] = P \left[\left(1 + \frac{r}{100} \right)^n - 1 \right]$$

Condition:

1. When interest is compounded annually,

$$\text{Amount} = P \left(1 + \frac{r}{100} \right)^n$$

2. When interest is compounded half yearly,

$$\text{Amount} = P \left(1 + \frac{r}{200} \right)^{2n}$$

3. When interest is compounded Quarterly,

$$\text{Amount} = P \left(1 + \frac{r}{400} \right)^{4n}$$

4. When interest is compounded annually but time is in fraction, say 3 whole $\frac{2}{5}$ year

$$\text{Amount} = P \left(1 + \frac{r}{100} \right)^3 \times \left(1 + \frac{2r}{500} \right)$$

5. When Rates are different for different years, say r1%, r2%, and r3% for 1st, 2nd and 3rd year respectively.

Then,

$$\text{Amount} = P \left(1 + \frac{r1}{100} \right) \times \left(1 + \frac{r2}{100} \right) \times \left(1 + \frac{r3}{100} \right)$$

Present worth of Rs. x due n years hence is given by:

$$\text{Present Worth} = \frac{x}{1 + \frac{r}{100}}$$

Difference between Compound Interest & Simple interest Concept For Two years

$$\text{CI} - \text{SI} = P \left(\frac{r}{100} \right)^2$$

For Three Year

$$\text{CI} - \text{SI} = P \left(\frac{r^2}{100^2} \right) \times \frac{300 + r}{100}$$

For Two year (Relation between SI & CI)

$$\frac{\text{CI}}{\text{SI}} = \frac{200 + r}{200}$$

1. A sum of money amounts to Rs 944 in 2 years at a simple interest. If the rate of interest be raised by 25% the sum amounts to Rs 980 during the same period. Find the rate of interest.

(a) 6%	(b) 7%
(c) 8%	(d) 9%
2. The simple interest on a certain sum of money at 4% p.a. for 4 years is Rs 80 more than the interest on the same sum for 3 years at 6% per annum. Find the sum.

(a) Rs 6500	(b) Rs 4000
(c) Rs 4800	(d) Rs 9200
3. A money-lender lends out Rs 9 on the condition that the loan is payable in 10 months by 10 equal installments of Rs 1. Find the rate percent per annum.

(a) 10%	(b) 19%
(c) $26\frac{2}{3}\%$	(d) $27\frac{3}{5}\%$
4. At what rate of simple interest, a sum of money will be more by 75% in 6 years?

(a) $12\frac{1}{2}\%$	(b) $11\frac{1}{2}\%$
(c) $10\frac{1}{2}\%$	(d) $9\frac{1}{2}\%$
5. Mr Khan deposits Rs 5600 in a bank at $3\frac{3}{4}\%$ annual interest. After 6 months she withdraws Rs 3200 together with interest and after 6 months she withdraws the remaining money. How much does she get as interest?

(a) Rs 150	(b) Rs 250
(c) Rs 350	(d) Rs 450
6. Two equal amounts of money are deposited in two banks each at 15% p.a. for 3.5 years and 5 years respectively. If the difference between their interests is Rs 144, find each sum.

(a) Rs 567	(b) Rs 640
(c) Rs 735	(d) Rs 820
7. A sum of Rs 13040 is borrowed at $3\frac{3}{4}\%$ per annum. Compound interest is to be paid in two equal installments. Find the amount of each installment.

(a) Rs 6889	(b) Rs 7234
(c) Rs 7650	(d) Rs 7890
8. Out of a certain sum, $(\frac{1}{3})rd$ is invested at 3%, $(\frac{1}{6})th$ at 6% and the rest at 8%. If the simple interest for 2 years from all these investments to Rs 600, find the sum.

(a) Rs 3800	(b) Rs 5000
(c) Rs 5600	(d) Rs 6200
9. Seema lent a certain sum of money at 4% simple interest. If in 8 years the interest amounted to Rs 340 less than the sum lent, find the sum lent.

(a) Rs 870	(b) Rs 650
(c) Rs 500	(d) Rs 450
10. Rs 1500 is divided into two parts such that if one part is put at 6% p.a. and the other at 5%, the whole annual interest from both the sums is Rs 85. Find the amount lent at 5% p.a.

(a) Rs 1100	(b) Rs 750
(c) Rs 500	(d) Rs 450
11. The compound interest on a certain sum of money for 2 years at 10% p.a. is Rs 420. Find the simple interest at the same rate and for the same time.

(a) Rs 378	(b) Rs 400
(c) Rs 408	(d) Rs 412
12. The simple interest on a certain sum of money is $\frac{4}{9}$ of the sum. The number of years is numerically equal to the rate percent. Find the rate.

(a) $6\frac{2}{3}\%$	(b) $5\frac{3}{5}\%$
(c) $4\frac{2}{3}\%$	(d) $3\frac{7}{9}\%$
13. The difference between the C.I. and the S.I. on a certain sum of money at 5% p.a. for 2 years is Rs 1.50. Find the sum.

(a) Rs 600	(b) Rs 670
(c) Rs 390	(d) Rs 275
14. Mrs Kavita invested a certain amount in a company paying 10% p.a. compound interest for 3 years. At the end of 3 years, the company gave her Rs 5324 as final settlement. Find her total investment.

(a) Rs 4000	(b) Rs 3500
(c) Rs 3200	(d) Rs 2900
15. Find the difference between compound interest and the simple interest when a sum of Rs 2000 is invested at 10% p.a. for 3 years.

(a) Rs 62	(b) Rs 120
(c) Rs 180	(d) Rs 220

SOLUTIONS:

1. (d); 25% of S.I. = $980 - 944 = 36$
 100% of S.I. = $\frac{36}{25} \times 100 = 144$
 S.I. for two years = 144
 $P = 944 - 144 = 800$
 $R\% = \frac{144 \times 100}{800 \times 2} = 9\%$
2. (b); Given $6\% \times 3 - 4 \times 4\% = 80$
 $1\% = 40$
 $100\% = 40,000$

3. (c); Let the interest be Rs. y per month per Rs.

Interest on Rs. 9 for 1 month = $9y$

Interest on Rs. 8 for 1 month = $8y$

Interest on Rs. 7 for 1 month = $7y$

Interest on Rs. 6 for 1 month = $6y$

Interest on Rs. 5 for 1 month = $5y$

Interest on Rs. 4 for 1 month = $4y$

Interest on Rs. 3 for 1 month = $3y$

Interest on Rs. 2 for 1 month = $2y$

Interest on Rs. 1 for 1 month = y

Hence total interest = $45y$

But by the question this must be = 1

$$45y = 1$$

$$y = \frac{1}{45}$$

Interest for 1 month on Rs. 1 = $\frac{1}{45}$

Interest for 12 month on Rs. 100

$$= \frac{100 \times 12}{45} \% = \frac{80}{3} \% = 26\frac{2}{3} \%$$

4. (a); Let $P = 100$, $A = 175$

S.I. = 75, $T = 6$

$$R = \frac{S.I. \times 100}{P \times T} = \frac{75 \times 100}{100 \times 6} = 12\frac{1}{2} \%$$

5. (a); S.I. on Rs. 5600 for 6 months = $\frac{5600 \times \frac{1}{2} \times \frac{15}{4}}{100} = 105$

$$\text{Remaining amount after 6 months} = 5600 - 3200 = 2400$$

$$\text{Now, S.I. on 2400 for 6 months} = \frac{2400 \times \frac{1}{2} \times \frac{15}{4}}{100} = 45$$

i.e. total interest = $105 + 45 = 150$

6. (b); Given

$$15\%(5 - 3.5) = 144$$

$$15\% \text{ of 1 year} = 96$$

$$100\% \text{ of 1 year} = 640$$

7. (a); Here, $A = 13040$, $R = \frac{15}{4} \%$

$$A = \frac{x}{\left(1 + \frac{R}{100}\right)} + \frac{x}{\left(1 + \frac{R}{100}\right)^2}$$

$$13040 = \frac{x}{\left(1 + \frac{15}{400}\right)} + \frac{x}{\left(1 + \frac{15}{400}\right)^2}$$

$$x = 6889$$

8. (b); Let the $P = 600$ (since, Parts are $\frac{1}{3}$ & $\frac{1}{6}$)

$\left(\frac{1}{3}\right)$ rd of 600 at 3%

So, S.I. = 3% of 200 = 6 Rs.

$\left(\frac{1}{6}\right)$ th of 600 at 6%

So, S.I. = 6% of 100 = 6 Rs.

i.e. Remaining $600 - (200 + 100) = 300$

So, S.I. = 8% of 300 = 24 Rs.

Total S.I. of 1 year = $6 + 6 + 24 = 36$ Rs.

$$\text{i.e. } 36 = \frac{1}{2}(600) = 300$$

$$6 = 50$$

$$\text{i.e. } 600 = 5000$$

9. (c); Let $P = 100x$

$$\text{S.I. for 8 years} = \frac{8 \times 4 \times 100x}{100} = 32x$$

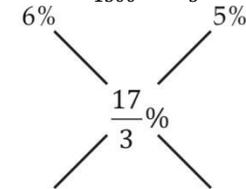
$$32x = 100x - 340$$

$$68x = 340$$

$$100x = 500$$

10. (c); $P = 1500$, S.I. = 85

$$R\% = \frac{85 \times 100}{1500} = \frac{17}{3}$$



$$\frac{17}{3} - 5 \qquad 6 - \frac{17}{3}$$

$$\frac{2}{3} \qquad \frac{1}{3} = 2 : 1$$

$$2 + 1 = 1500$$

$$1 = 500$$

11. (b); we know that for 2 years

$$\frac{C.I.}{S.I.} = \frac{200 + R}{200}$$

$$\frac{420}{210} = \frac{210}{200}$$

$$\frac{S.I.}{S.I.} = \frac{200}{200}$$

$$S.I. = 400$$

12. (a); $S.I. = \frac{4}{9}P$, $R = T$

$$S.I. = \frac{PRT}{100}$$

$$\frac{4}{9}P = \frac{P \times R \times R}{100}$$

$$R^2 = \frac{400}{9}$$

$$R = \frac{20}{3} = 6\frac{2}{3} \%$$

13. (a); Since, for 2 years

$$\text{Difference} = \frac{PR^2}{100^2}$$

$$1.5 = \frac{P \times 5^2}{(100)^2}, P = 600$$

14. (a); $A = 5324$, $R = 10\%$, $T = 3$

$$A = P \left(1 + \frac{R}{100}\right)^3$$

$$\frac{5324}{P} = \left(1 + \frac{10}{100}\right)^3 = \left(\frac{11}{10}\right)^3 = \frac{1331}{1000}$$

$$P = 4000$$

15. (a); $P = 2000$, $R = 10\%$, difference = ?

$$\text{Difference} = \frac{PR^2(300 + R)}{100^3}$$

$$= \frac{2000 \times 10^2 \times 310}{(100)^3}$$

$$= \frac{2000 \times 100 \times 310}{100 \times 100 \times 100} = 31 \times 2 = 62$$

Handy Notes Reasoning: Inequalities Part-II

1. Direct Inequality :- In this type, relationship symbols between variables are given indirect form.

Example:-

1. Statement: $A = B \geq C < D = E \leq F$

Conclusion: (a) $F > B$ (b) $B \geq D$
 (×) (×)

Here, both conclusion (a) and (b) does not follow. As there is relation between F and B, B and D.

And here, variables of both conclusions are different

So, there will no "either-or" case.

2. Statement: $P > M > Q \geq Z > N$

Conclusions: (a) $Q > N$ (b) $P > N$
 (✓) (✓)

3. Statement: $X > Y = Z > V < W$

Conclusions: (a) $Y = V$ (b) $X > V$
 (×) (✓)

Here, conclusion (a) is wrong as Y is greater than V and conclusion (b) is right.

4. Statement: $P = Q = R \leq W < V$

Conclusions: (a) $Q \leq W$ (b) $R \leq V$
 (✓) (×)

Here, Conclusion (a) is right and (b) is wrong because R will be less than V ($R < V$).

5. Statement: $H > M < Q \geq R > X < Y$

Conclusions: (a) $M > R$ (b) $M \leq R$
 (×) (×)

Here both conclusions are wrong but variables are same. And by combining both conclusions we are getting all three possibilities of relation between M and R.

So, here answer will be either conclusion (a) or (b) follows.

2. Indirect Inequalities :- In this type, relationship symbols between variables are given in coded form.

Example :- $A \textcircled{C} B$ means 'A' is smaller than 'B'

$A \# B$ means 'A' is greater than 'B'

$A \% B$ means 'A' is either smaller than or equal to 'B'

$A \$ B$ means 'A' is either greater than or equal to 'B'

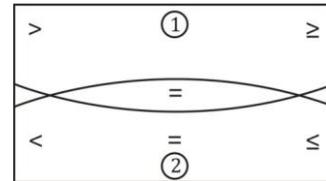
$A @ B$ means 'A' is neither smaller than nor greater than 'B'

Statement: $V \# S, S \textcircled{C} L, L \textcircled{C} J$

Conclusion: I. $V \textcircled{C} L$ II. $S \textcircled{C} J$

For solving coded inequalities, there is one method to decode all coded symbol and decode symbols between statement and conclusion and then check the relationship between variables. But this method is lengthy. And each second is important for students during exam.

So, we are presenting magic box trick to solve these type of questions in less time.



We will divide box in two groups (1) and (2)

Now we are taking an example of Indirect inequality and will explain this magic box trick.

Example: $A \textcircled{C} B$ means 'A' is smaller than 'B'

$A \# B$ means 'A' is greater than 'B'

$A \% B$ means 'A' is either smaller than or equal to 'B'

$A \$ B$ means 'A' is either greater than or equal to 'B'

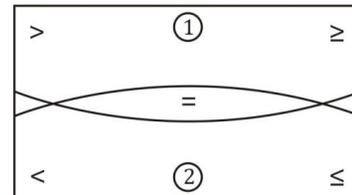
$A @ B$ means 'A' is neither smaller than nor greater than 'B'

Statement: $V \# S, S \textcircled{C} L, L \textcircled{C} J$

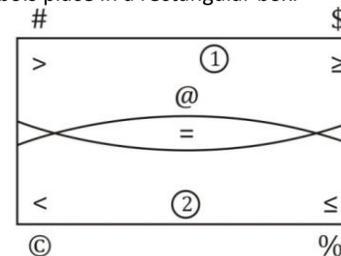
Conclusions: (i) $V \textcircled{C} L$ (ii) $S \textcircled{C} J$

Steps to apply Magic for trick :-

1. First of all we will draw a rectangular box and place all different symbols of inequalities.



2. Now, we decode given information and place that particular code at different symbols place in a rectangular box.



Remember one thing that we can compare variables with same group of coded symbols

i.e. we cannot compare # and © or \$ and %.

3. Now we will try to solve the question as in conclusions

I. it is asked $V \textcircled{C} L$?

As in statement it is given $V \# S, S \textcircled{C} L$

So, we cannot compare # and © as they belongs to different group.

And in conclusion II. It is asked $S \textcircled{C} J$?

And in statement it is given $S \textcircled{C} L, L \textcircled{C} J$

So, $S \textcircled{C} J$ is correct.

Example 2:**Statement :** M # R, R \$ J, J @ H**Conclusion:** I. M # J II. R \$ H

As in conclusions I. It is asked M # J ?

So, we will find the relation between M and J and we have to compare # and \$. And according to Magic box # and \$ belongs to same group and priority of # is more than \$.

So, conclusions I. is correct.

And in conclusions II. We have to find relation between R and H and for this we have to compare \$ and @ and according to magic box \$ and @ belongs to same group and priority of \$ is more than @ So, Conclusions II. Is correct.

We have tried our best to give clear and detail concept of Inequalities. Hope you will be able to get it and can solve must do questions of Inequalities in less time. In our next edition we will give handy notes of **Ranking and Directions**.**Must Do BANKING AWARENESS for SBI PO MAINS**

1. In which years RBI and SBI are nationalized respectively? - **1949, 1955**
2. Which bank was merged with Punjab National Bank in 1993? - **New Bank of India**
3. Which bank sponsored first Regional Rural Bank (RRB) in India by the name Prathama Grammeen Bank? - **Syndicate Bank**
4. Which is the first Cooperative Bank of India (also in Asia)? - **Anyonya Cooperative Bank**
5. Name the new post which was proposed by RBI in the rank of Deputy Governor. - **Chief Operating Officer (COO)**
6. Where is the headquarter of Bharatiya Mahila Bank (BMB)? - **New Delhi**
7. Cooperative banks are registered with - **Registrar of Cooperative Societies (RCS)**
8. Expand MUDRA. - **Micro Units Development and Refinance Agency**
9. What is the minimum paid-up capital of Small Banks and Payment Banks? - **Rs 100 crore each**
10. National Housing Bank (NHB), a subsidiary of RBI, regulates and refines social housing programs in India. Where is the headquarter of NHB? - **New Delhi**
11. SIDBI provides short term loans and refinance facilities to - **Micro, Small and Medium Enterprises (MSMEs)**
12. Banking aspects of Cooperative banks are governed by - **Reserve Bank of India**
13. What is the full form of CASA? - **Current Account and Savings Account**
14. What is the full form of BSBDA? - **Basic Savings Bank Deposit Account**
15. What is the Priority Sector Lending target percentage? - **40 % of ANBC**
16. What is the sub-target of PSL for Agricultural activities? - **18 % of ANBC**
17. Which is the minimum chargeable interest for the credit sanctioned to the borrower by a bank? - **Base rate**
18. ATMs set up, owned and operated by non-bank entities (e.g., NBFC) are known as - **White Label ATMs (WLA)**
19. ATMs set up and owned by a Service provider, but cash management and connectivity is provided by a sponsor banks are known as - **Brown Label ATMs (BLA)**
20. NBFCs are registered under which Act? - **Companies Act, 1956**
21. The assets of banks are: - **Loans and Advances, Bank Reserves & Investments of Banks**
22. Net Asset Value (NAV)/bid value is - **Per unit of the fund, excluding liabilities, calculated by AMC after every business day**
23. What will be the effect on market, if repo rate is increased? - **Liquidity in the market will decrease**
24. What is Net Demand and Time Liabilities (NDTL) of banks? - **Net Demand Deposits (Savings and Current Deposits) and Time Deposits (Recurring and Fixed Deposits)**
25. Reverse repo rate is the rate at which - **Banks provide loans to RBI**
26. For Cash reserve ratio (CRR) requirements - **Banks have to keep / maintain a portion of its deposits, as cash or balance with RBI**
27. If CRR is increased by RBI, what will be the effect on market? - **Banks will have to maintain more money as cash or deposits with RBI, hence will have less money to lend or invest, thus reducing the liquidity in the market**
28. What 'L' denotes in LAF? - **Liquidity**
29. Open Market Operations (OMO) deals with - **Buying or selling government securities by RBI**
30. What is the maximum limit of funds transfer through NEFT? - **There is no upper limit for NEFT**
31. What is the full form of IMPS? - **Immediate Mobile Payment System**
32. What is the full form of CIBIL? - **Credit Information Bureau of India Ltd.**
33. CAMELS Rating is - **A supervisory rating for banks or financial institutions by financial market regulator**
34. What 'L' denotes in CAMELS rating? - **Liquidity**
35. Narrow Money consists - **Both M1 and M2**
36. RBI has the legal right to issue bank notes, under which act? - **RBI Act**
37. What is the maximum denomination of currency note that can be issued by RBI? - **Rs. 10,000**
38. One Rupee currency bears the signature of - **Finance Secretary**
39. RBI currently follows which of the following system for issuance of currency? - **Minimum Reserve System**
40. Currency Chests are - **Store houses of commercial banks for banknotes and rupee coins**

41. Small Coin Depots are - **Store houses of commercial banks for small coins**
42. Which of the following is not a characteristic of a Soiled Note? - **Notes in more than two pieces**
43. Excessively soiled, brittle or burnt notes can be exchanged on - **Issue Office of RBI**
44. If the tenor of transactions in Money Market is 2 to 14 days, then it is known as - **Notice Money Market**
45. Call Money deals with - **Overnight funds**
46. Certificate of Deposits issued by banks - **Are of min. Rs. 1 lakh and multiple thereof, with maturity of 7 days to 1 year**
47. What is the minimum amount of CPs? - **Rs. 5 lakh**
48. Currently, T-Bills are issued with the maturities of - 91 days, 182 days and 364 days
49. What is the full form of CMB? - **Cash Management Bill**
50. Which of the following is a long-term government security? - **Dated Securities**

MUGHAL DYNASTY in ONE LINERS

1. Who was the founder of the Mughal Empire? - **Babur**
2. When was First Battle of Panipat fought ? - **1526**
3. Who defeated Ibrahim Lodhi in the First Battle of panipat? - **Babur**
4. Who defeated Mewar of Rana Sangha in the Battle of Khanwa(1527) ? - **Babur**
5. Who fought against Babur in the Battle of Chanderi(1528) ? - **Medini Rai of Malwa**
6. Who fought against Babur in the Battle of Ghaghra(1529)? - **Muhammed Lodhi**
7. When did Babur died ? - **In 1530**
8. Where is the Tomb of Babur situated? - **Kabul**
9. In the Battle of Dhuria ,who is defeated by Humayun? - **Mahamud Lodhi**
10. Who built the city of Dinpannah on the site "Purna Quila" in Gujarat ? - **Humayun**
11. Who defeated Humayun in the Battle of chausa ? - **Shershash (in 1539)**
12. When did Shershash defeated Humayun in the Battle of Kanauj? - **In 1540**
13. Who is the father of Akbar ? - **Humayun**
14. When was Second Battle of Panipat ? - **in the year 1556**
15. Who is defeated in the Second Battle of Panipat ? - **Hemu is defeated by Akbar**
16. Who abolished the religious tax Jaziya ? - **Akbar (in the year1564)**
17. When did Akbar captured Gujarat ? - **In the year 1572**
18. Who built the city Fathepur Sikri (City of Victory) ? - **Akbar**
19. Who built Buland Darwaza ? - **Akbar (Buland Darwaza is the gate way of Fathepur Sikri)**
20. Where is Ibadatkhana situated ? - **It is a prayer house in Fathepur Sikri ,constructed by Akbar**
21. Who is the First English man to reach India ? - **Ralph Fitch (during Akbar's reign)**
22. What is the name of religion founded by Akbar ? - **Din ilahi (It means Divine Faith)**
23. In which battle Akbar defeated Maharana Pratap of Mewar ? - **Battle of Haldighat (In the year 1576)**
24. Who was the Mughal Empire when the English East India Company was being founded in1600 December 31 ? - **Akbar**
25. Where is the tomb of Akbar situated ? - **Sikandra near Agra**
26. What is the name of Akbar's military system? - **Mansabdari system**
27. Who was Akbar's revenue minister? - **Raja Todarmal**
28. Which Mughal empire built Agrafort ? - **Akbar**
29. What was the early name of Jahangir? - **Salim**
30. Who was the Sikh guru who was executed by Mughal empire Jahangir ? - **Arjun Dev (fifth sikh guru)**
31. Which Mughal empire built the Shalimar Garden ? - **Jahangir (in Srinagar)**
32. Which Mughal empire built the Nishant Garden ? - **Jahangir (in Srinagar)**
33. What is the name of Jahangir's Autobiography ? - **Tuzukh -i- Jahangiri (in persian language)**
34. Where is the tomb of Jahangir situated ? - **Shahadhara in Lahore**
35. What was the early name of Shahjahan ? - **Khurram**
36. Which Mughal Empire's period is considered as the Golden Age of Mughal Architecture? - **Shahjahan**
37. Who is the architect of Tajmahal? - **Uztad Iza**
38. Which Mughal Empire built the Redfort ? - **Shahjahan**
39. What is the Gate way of Redfort called as ? - **Lahore Gate**
40. Who built the famous Peacock Throne ? - **Shahjahan**
41. Which Mughal empire is known as 'Zinda Pir' ? - **Aurangazeb**
42. Which Mughal empire banned music and dance ? - **Aurangazeb**
43. What is the name of Sikh Guru who was executed by Aurangazeb ? - **Guru Teg Bahadur**
44. Who built the monument Bibi ka Makbara ? - **Aurangazeb (Bibi ka Makbara is known as mini Tajmahal)**
45. Where is Aurangazeb's tomb situated ? - **Daulatabad in Maharashtra**
46. Which ruler used the gun-powder for the first time in India? - **Babur, in the first battle of Panipat.**
47. Where was the capital of Babur? - **Agra.**
48. What is "Tuzuk-e-Babri"? - **It is the autobiography of Babur. He wrote it In Turkish Language.**

49. Which Mughal ruler in Indian history as "Shah-e.- Bekhabar?" - **Bahadur Shah.**
50. During the reign of which Mughal ruler there was a Sikh rising in Punjab under the leadership of Banda Bahadur? - **Bahadur Shah.**
51. Who abolished the Jazia tax reimposed by Aurangzeb ? - **Jahandar Shah.**
52. Who was Ahmad Shah Abdali ? - **He was the Defense Minister of Nadir Shah.**
53. Between whom the third battle of Panipat was fought and when ? - **Ahmad Shah Abdali and the Marathas in 1761 AD?**
54. Which Mughal ruler participated in the battle of Buxar in 1764 AD, in favour of Mir Qasim of Bengal and Nawab' of Avadh Shuja-ud-Daula against the British rule? - **Shah Alam II.**
55. Who was the last ruler of Mughal dynasty ? - **Bahadur Shah Zafar.**
56. Where Bahadur Shah Zafar was deposed in capital? - **Rangoon.**
57. Where Bahadur Shah Zafar died ? - **In Rangoon.**

Handy Notes Computer: Important Computer Terminologies

Character String: A specified sequence of typed characters, usually representing a word or phrase. A character string is often used to locate a particular word or phrase wherever it appears in a document so that it can be automatically replaced with another word or phrase. If a person's name has been consistently misspelled or a date appears incorrectly in several places, the error can be easily corrected.

Characters per inch (cpi) : The number of characters in a fixed-pitch font that will fit within 1 inch.

Characters per second (cps) : The number of characters printed in 1 second; a measurement frequently used to describe the speed of a printer.

Chat: A method of communication in which people type text messages to each other, thereby holding a conversation over a network such as the Internet. (See also Newsgroup.)

Check box: A small box that appears onscreen alongside each option displayed in a dialog box. When an option is selected, an X or a check mark appears inside the box.

Chip : An integrated circuit used in computers.

Circuit board : A board or card that carries the necessary electronic components for a particular computer function (for example, memory). The circuit boards that come with the original equipment perform the standard functions identified with that type of equipment. Additional circuit boards expand the kinds of functions that the equipment can perform. Also called a board, a card, or an expansion board.

Clear : A command to erase information.

Click: To quickly press and release a mouse button once while the cursor (mouse pointer) is positioned over a specific item on the screen.

Clicks-and-mortar: Refers to a business that sells merchandise online as well as in stores.

Clicks-to-bricks: Refers to an Internet company that opens stores.

Client/server computing: A network of computers that consists of a file server (a computer that runs a database management system) and individual clients (computers that request and process data obtained from the file server).

Clipboard: A holding area in memory where information that has been copied or cut (text, graphics, sound, or video) can be stored until the information is inserted elsewhere.

Column: A vertical block of cells in a table or spreadsheet.

Command: An instruction that causes a program or computer to perform a function. A command may be given by means of a special keystroke (or series of keystrokes), or the command may be chosen from a menu.

Compatibility : The ability of one type of computer, device, data file, or program to share information or to communicate with another.

Computer : An electronic device that is capable of (1) accepting, storing, and logically manipulating data or text that is input and (2) processing and producing output (results or decisions) on the basis of stored programs of instructions. Some computers are also capable of processing graphics, video, and voice input. Most computers include a keyboard for text entry, a central processing unit, one or more disk drives, a display screen, and a printer—components referred to as hardware.

Control Menu : An onscreen Windows element that appears in a box in the upper left corner of a window. The control menu allows the user the option of adjusting the size of the window, closing or reopening the window, or switching to another window.

Cookie: A small text file that a Web server stores on a user's hard drive when the user visits certain Web sites. A cookie contains all the information that a user has to submit on a first visit to a particular Web site in order to gain access. When a user revisits that Web site, the cookie makes it unnecessary for the user to enter the same information all over again. The positive aspect of cookies is that they make it possible for users to take advantage of the convenient "shopping cart" feature of many Web sites. Unfortunately, cookies also make it possible for marketing organizations to monitor users' browsing patterns; users then find themselves the targets of custom-tailored marketing campaigns.

Copy : To reproduce information elsewhere. The original information remains in place.

Cracker : The preferred term (rather than hacker) used to refer to a computer criminal who penetrates a computer to steal information or damage the program in some way.

Crash : A malfunction in hardware or software that keeps a computer from functioning.

CRT. Cathode-ray tube.

Cursor : A special character (usually a blinking underline, dot, or vertical line) that indicates where the next typed character will appear on the display screen. Also known as the mouse pointer (arrow) or I-beam pointer. Microsoft Word refers to the cursor as the insertion point.

Cursor Positioning: The movement of the cursor on the display screen. Most computers have four keys to control up, down, left, and right movement. Many computers also permit the use of a mouse to position the cursor.

Cut: To remove text from its original location and place it on a clipboard.

Cut and paste: To move a block of text from one place to another.

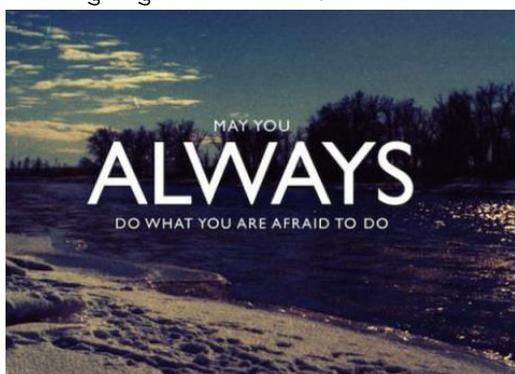
Cyberspace: A realistic simulation of a three-dimensional world created by a computer system; also referred to as virtual reality. Now commonly used to refer to the world of the Internet as a whole.

Cybersquatting: Registering a potentially valuable Internet address in the hope of selling it at a profit later on to an organization for which this address would be ideal.

Cybrarian: The electronic equivalent of a librarian. A person who makes a career of online research and data retrieval.

बिना थके-बिना रुके, बनें अपनी जिंदगी के 'माउंटेन मैन'...

सपने हम सभी देखते हैं। हम सोचते रहते हैं कि कैसे अपनी जिंदगी को भौतिक सुख सुविधाओं से भर दें। अधिकतर लोग किसी बेहतर मुकाम को



पाने के लिए लक्ष्य बनाते हैं और अपने आने वाले कल को आज से बेहतर रूप में देखना चाहते हैं। लेकिन सपने देखने वालों में से सिर्फ कुछ ही लोग अपनी मंजिल तक पहुँच पाते हैं। हालांकि,

अपने भविष्य को सँवारने के लिए मेहनत तो लगभग सभी करते हैं। एक रात जागकर देर तक पढ़ना, दिन में पढ़ाई को एक-दो घंटे ज्यादा दे देना, दोस्तों के साथ घूमने जाने से मना करके किताबें पढ़ना, और ऐसे ही कई बहाने या व्यवहार हमारे लिए कड़ी मेहनत होती है...जबकि हममें से ज्यादातर, बहुत दिनों तक ऐसा नहीं कर पाते और वापस अपने पुराने ढर्रे पर लौट आते हैं। फिर, परीक्षा नजदीक आने पर असफलता का डर सताने लगता है।

दरअसल, हम अपने सपनों को पूरा करने के लिए शुरुआत तो पूरे उत्साह के साथ करते हैं लेकिन जरा सी मुश्किल आते ही हमारा उत्साह कम होता दिखने लगता है और प्रयास करने में सुस्त पड़ जाते हैं। वहीं, जो लोग अन्त तक पूरे उत्साह और दृढ़ता के साथ लगे रहते हैं वो अपनी मंजिल को प्राप्त करते हैं अपने सपनों को पूरा कर लेते हैं। जो लोग बुलंदियों को छू लेते हैं वे हममें से ही एक होते हैं। उनमें कुछ अलग नहीं होता, हाँ, काम करने का तरीका भले ही हम से कुछ हटके हो। वे हौसला बनाये रखते हैं चाहे उनका लक्ष्य कितना भी बड़ा क्यों न हो। बस खुद पर विश्वास करके आगे बढ़ते जाते हैं। वे कभी थकते नहीं, रुकते नहीं।

ऐसी ही एक कहानी है बिहार के 'माउंटेन मैन' दशरथ मांझी की। जिन्होंने सारी दुनिया के सामने इस बात को सच कर दिखाया कि अगर आपके अंदर कुछ कर गुजरने की चाहत और लगन है तो आप तमाम रुकावटों को पार करते हुए आसमान की ऊंचाइयों को भी छू सकते हैं। उन्होंने अपनी इच्छा शक्ति, दृढ़ संकल्प और सहजता से व्यक्तिगत तौर पर

वह असंभव कार्य कर दिखाया जिसे करने के बारे में हम सोच भी नहीं सकते। मांझी ने अकेले दम पर सिर्फ छैनी और हथोड़े से 25 फीट ऊँचे पहाड़ का सीना चीरकर उसमें से 360 फीट लम्बा और 30 फीट चौड़ा रास्ता बनाकर आश्चर्यजनक कारनामा कर दिखाया।

दशरथ मांझी ने हमें इस बात की प्रेरणा दी कि अगर इंसान चाहे तो लगन, इच्छाशक्ति और दृढ़ संकल्प के बलबूते पहाड़ का सीना चीर सकता है और असंभव को संभव कर सकता है। उनके इसी महान कार्य के लिए उन्हें 'माउंटेन मैन' कहा जाता है। उन्हें इस महान काम को करने की प्रेरणा अपने ही जीवन के एक कड़वे अनुभव से मिली जब एक बार पीने का पानी ले जाते समय उनकी पत्नी, पैर फिसलने से पहाड़ से गिरकर बुरी तरह घायल हो गयी। उन्हें तुरंत डॉक्टरी सहायता नहीं मिल सकी क्योंकि अस्पताल उनके गाँव से 80 कि.मी. दूर शहर में था। ऐसे में अस्पताल ले जाते समय उनकी पत्नी की रास्ते में ही मौत हो गई। अपनी पत्नी की मृत्यु से उन्हें गहरा धक्का लगा। ऐसा हादसा किसी और के साथ न हो इसलिए दशरथ मांझी ने पहाड़ को चीर कर वहाँ से रास्ता बनाने का निश्चय किया और इस पहाड़ को तोड़कर सुगम्य बनाने को ही अपना लक्ष्य बना लिया।

मांझी बहुत निर्धन थे, उनके पास अपने इस लक्ष्य को पूरा करने के लिए औजार नहीं थे इसके लिए उन्होंने अपनी बकरियों को बेच दिया। बकरियों को बेचने से जो पैसे मिले उससे उन्होंने छैनी और हथोड़ा खरीदा। मांझी ने 1960 में पहाड़ को तोड़ना शुरू किया और वे 22 साल तक लगातार बिना रुके, बिना थके, रात दिन पहाड़ तोड़ते रहे। उन्होंने अपनी झोंपड़ी भी पहाड़ के पास ही बना ली थी। कभी कभी वे भूखे प्यासे ही पहाड़ तोड़ते रहते थे। इस दौरान उनके घरवालो ने उनका काफी विरोध किया। लोगो ने उनको पागल कहना शुरू कर दिया था। लोग उनका मजाक बनाने लगे थे पर अपनी धुन के पक्के दशरथ मांझी ने किसी की नहीं सुनी और तमाम परेशानियों, कठिन परिस्थितियों को पीछे छोड़ते हुए उस पहाड़ को चीरते रहे। अंत में, वह ऊंचा पहाड़ भी मांझी के अथक परिश्रम के आगे झुक गया उसे हार माननी पड़ी और 22 साल के कठिन परिश्रम के बाद 1982 में उन्होंने अकेले दम पर पहाड़ का सीना चीरकर उसमें से 360 फीट लम्बा और 30 फीट चौड़ा रास्ता तैयार कर दिखा दिया।

माउंटेन मैन के नाम से प्रसिद्ध मांझी के इस आश्चर्यजनक कारनामे के बाद उनके गाँव से वजीरगंज शहर की दूरी 80 कि.मी. से घटकर मात्र 3 किलोमीटर रह गयी। गाँव और शहर के बीच की दूरी घट जाने से लोगों

को आने जाने में काफी आसानी हो गयी। इसके बाद से मांझी को लोग सम्मानपूर्वक देखने लगे। हालांकि, जब मांझी ने अपने इस असंभव से दिखने वाले महान कार्य को, अपने लक्ष्य को पा लिया तब उन्हें इस बात का बेहद अफसोस हुआ कि अपनी पत्नी की प्रेरणा से मांझी ने यह अद्भुत कार्य किया और इसे देखने के लिए वह जीवित नहीं थी।

दशरथ मांझी के ऐसे संघर्षपूर्ण लेकिन आशावादी और अंत में सफलता प्राप्त करने वाले जीवन से हमें यह प्रेरणा मिलती है कि हम सभी अपने लक्ष्य को मजबूत इच्छाशक्ति, साहस और दृढ़ संकल्प की राह पर चलकर ही पा सकते हैं। हमें कभी भी भगवान के भरोसे नहीं बैठना चाहिए। हमें एक बड़ा लक्ष्य बनाना चाहिए और साहस के साथ मजबूत इच्छाशक्ति और दृढ़ संकल्प से तब तक अपने लक्ष्य को छोड़ना नहीं छोड़ना नहीं चाहिए जब तक कि हम उसे हासिल ना कर लें। स्वामी विवेकानंद ने भी कहा है कि जिस दिन आपके सामने कोई समस्या न आये दृ आप यकीन कर सकते

है की आप गलत रस्ते पर सफर कर रहे हैं। जिंदगी का रास्ता बना बनाया नहीं मिलता है, स्वयं को बनाना पड़ता है, जिसने जैसा मार्ग बनाया उसे वैसी ही मंजिल मिलती है।

हमें समझना चाहिए कि चाहे कितनी भी मुश्किलें आये, कितनी भी समस्याएँ आये हमें हर समस्या का दृढ़ता से सामना करना है और जब तक अपने कार्य में, अपने लक्ष्य को पाने में सफल नहीं हो जाते तब तक अथक प्रयास करते जाना है, और अंत में जीत हमारी ही होगी।

– वन्दना शर्मा

HINDU REVIEW : JUNE 2016

1. The Indian Space Research Organisation (ISRO) has launched a record 20 satellites in a single mission from the Satish Dhawan Space Centre in Sriharikota, Andhra Pradesh.
2. Vice President Hamid Ansari has inaugurated a two-day international conference on 'Yoga for Body and Beyond' in New Delhi.
3. A two-day meeting of heads of state of Shanghai Cooperation Organization (SCO) under the presidency of Uzbekistan to be held in Tashkent.
4. The Centre has asked all the states to link Aadhaar card of school students to their caste and domicile certificate.
5. Union Finance Minister Arun Jaitley has released a commemorative silver coin to mark the 300th martyrdom day of Sikh General Banda Singh Bahadur.
6. As per the recently released 2016 World Investment Report, India ranks 10th in FDI (Foreign Direct Investment) inflows. Topped by USA. Maharashtra Government has accorded minority status to Jews in the state as per the provisions of the Maharashtra State Minorities Commission Act, 2004.
7. To commemorate the International Day of Yoga, Andhra Pradesh Postal circle have organized the programme of releasing the booklet for public and stamps on yoga for Philatelists.
8. Mori village in East Godavari district of Andhra Pradesh will be developed as a smart village of global standards by using digital tools, real-time information, and uninterrupted internet connectivity.
9. In Assam, the annual Ambubachi Mela at Kamakhya temple begun. For the celebration, the temple doors will remain closed until Sunday.
10. The United States plans to provide more than 3 billion dollars a year in support for the Afghan national security forces from 2018 through 2020.
11. Nagpur and the Chinese city of Jinan have become 'sister cities' after signing a pact which allows for the exchange of ideas and technology in the field of education, urban planning, youth affairs, and sports.
12. The State Bank of India (SBI) was named in the Hall of Shame list of 158 banking institutions that have invested billions of dollars in companies making cluster bombs.
13. South India Bank has announced the launch of its Remit2India Service. Currently, south Indian Bank's facility is available for remittance from Europe, Australia, UAE, and Singapore.
14. The Inland Waterways Authority of India (IWAI) and India Ports Global Private Limited (IPGPL) have signed a MoU for implementation of additional works on the Kaladan Multimodal Transit Transport Project (KMTTP) in Myanmar.
15. Six Indian World War I (WW-I) heroes have become part of Britain's new digital archive.
16. SoftBank Group has named Ken Miyauchi as its new President and Chief Operating Officer after the resignation of Nikesh Arora.
17. The book titled A Life in Diplomacy was released which is written by former Indian diplomat Maharajakrishna Rasgotra.
18. Noted Telangana poet and lyricist Guda Anjaiah has passed away following a brief illness at Ragannagudem, Telangana. He was 61.
19. The All India Football Federation is set to launch a football promotion programme in October targeting 11 million children across India.
20. The Union Cabinet has approved the proposal of extending the deadline for implementing the Ujjwal Discom Assurance Yojana (UDAY) by a year to March 31, 2017.
21. Railway Minister Suresh Prabhu has flagged off a new train service between Danapur and Saharsa in Bihar through video-conferencing at Rail Bhawan in New Delhi with an aim to connect every region of the country with the rail network.

22. Finance Minister Arun Jaitley will embark on a five-day visit to China starting from 23rd of June, where he will attend the first annual meeting of the board of governors of the 100-billion US dollar Asian Infrastructure Investment Bank.
23. The Union Cabinet has approved the establishment of Fund of Funds for Startups (FFS) at Small Industries Development Bank of India (SIDBI) for contribution to various alternative investment funds (AIF).
24. The government has also approved a Rs 6,000 crore special package for textiles & apparel sector to create one crore new jobs in 3 years, attracting investments of \$11 billion and generating \$30 billion in exports.
25. The Cabinet Committee on Economic Affairs (CCEA) chaired by Prime Minister Narendra Modi has approved the development of four lanes of Hubli-Hospet Section of NH-63 in Karnataka.
26. The Union Cabinet has given its approval to the signing of a Protocol amending the Agreement between India and Belgium for the avoidance of double taxation and prevention of fiscal evasion with respect to taxes on income.
27. The Union Cabinet has approved the signing of a Memorandum of Understanding (MoU) with Steinbeis GmbH Co. KG, Germany for technology transfer and resourcing in manufacturing, including sub-sectors of Capital Goods.
28. S.K. Roy, the head of state-run Life Insurance Corp (LIC), the biggest single investor in the country, has tendered his resignation two years before his term was due to end.
29. India's lone athletics World Championship medal winner Anju Bobby George has resigned as President of the Kerala Sports Council.
30. Aweek Sarkar has resigned as the Editor-in-Chief of Ananda Bazaar Patrika (ABP) and The Telegraph. However, he would continue as the chairman of the group.
31. World's leading payments platform PayPal has announced the appointment of Anupam Pahuja as the Managing Director (MD) and Country Manager for its India operations.
32. British tennis star Andy Murray has created history after he fought back to win the Queen's Club tournament for a record fifth time defeating Milos Raonic in a pulsating final on 19 June 2016.
33. India has won the three-match T20 series against Zimbabwe 2-1. In the third and final match played at Harare, India defeated Zimbabwe by a narrow three-run margin. Man of the series award won by Barinder Sran (an Indian bowler).
34. International Yoga Day observed on 21st June with the theme "Connect the Youth". The Union Government organized the event titled 'The National Event of Mass Yoga Demonstration' at Chandigarh.
35. Union Government approves 100% FDI under government approval route for Food products, Defence Sector, Pharmaceutical Sector, Aviation Sector, Animal Husbandry & Single Brand Retail Trading.
36. India and Thailand have signed two agreements in culture and educational sectors to boost bilateral ties.
37. Centre approves a proposal for Greenfield Electronic Park in Odisha.
38. The Punjab government has launched a special fund "Mukh Mantri Punjab Hepatitis C Relief Fund" to provide free treatment for patients affected by Hepatitis C.
39. The Assam Government has launched a unique initiative 'Maitree Ek Gyan Yatra' to link primary schools to high schools to colleges.
40. Union Tribal Affairs Minister Jual Oram and Oil Minister Dharmendra Pradhan have launched the Pradhan Mantri Ujjwala Yojana to provide free of cost LPG cooking gas connections to women from BPL households in Sambalpur, Odisha.
41. The Union Government has banned the use of potassium bromate (KBrO₃) as a food additive on the recommendation of Food Safety and Standards Authority of India (FSSAI).
42. The International Astronomical Union named a 9.8 kilometers wide crater on Mars as Langtang, a popular trekking site in Nepal.
43. Chinese supercomputer Sunway TaihuLight with 93 petaflop/second speed was declared as the world's fastest supercomputer.
44. US scientists team has created the world's first microchip that has 1,000 processors and is thought to be the fastest chip designed in a university lab. It is named as the "KiloCore" chip.
45. Tata Advanced Systems Limited (TASL) and Boeing have celebrated the foundation laying of a new facility in Hyderabad for its joint venture named Tata Boeing Aerospace (TBAL).
46. Public sector aerospace Hindustan Aeronautics Limited (HAL) has unveiled indigenous Basic Trainer Aircraft (BTA) Hindustan Turbo Trainer-40 (HTT-40) in Bengaluru.
47. Virginia Raggi elected as the Rome's first female mayor.
48. BCCI suspended and issued show-cause notices to the top Goa Cricket Association officials, who were arrested for alleged misappropriation of organization funds.
49. World Refugee Day is observed on 20 June 2016.
50. Prime Minister Narendra Modi along with Sri Lankan President Maithripala Sirisena have inaugurated Duraiappah Stadium in Jaffna which was renovated by India.
51. The Union Ministry of AYUSH Ministry has released a Yog Geet (Yoga song) for celebrating the second International Yoga Day on 21 June 2016. It has been produced and written by Dheeraj Saraswat. Music Director of the song was Sumanto Ray.

52. A bronze statue of Netaji Subhash Chandra Bose has been unveiled at the Indian cultural centre premises in Malaysia in the presence of nine Indian National Army (INA) veterans.
53. 'Thithi', a Kannada film won the best film award and best script writers award at the Asia New Talent Awards in the 19th Shanghai International Film Festival.
54. Businessman Bipin R Patel was appointed as the President of Gujarat Chamber of Commerce and Industry (GCCI) for the term 2016-17.
55. Former BJP MP Chetan Chauha has been appointed as the Chairman of the prestigious National Institute of Fashion Technology (NIFT).
56. Renowned Educationalist Jeppiaar passed away.
57. International Cricket Council (ICC) has suspended Sri Lanka's fast bowler Shaminda Eranga from bowling.
58. The Indian mixed recurve team of Deepika Kumari and Atanu Das has won silver at the Archery World Cup in Antalya, Turkey.
59. Mercedes' German driver Nico Rosberg won the European Grand Prix.
60. Australia has won the Hero Hockey Champions Trophy 2016 by defeating India at the Lee Valley Hockey and Tennis Centre in London.
61. The first 3 female pilots of IAF are: Avani Chaturvedi, Bhawana Kanth and Mohana Singh.
62. Kerala Tourism won four awards at 'FilmAT' which is one of the biggest international film festivals dedicated to tourism, art and ecology in Poland.
63. The Union Finance Ministry has announced that non-resident Indians (NRIs) can now open National Pension Savings (NPS) accounts online i.e. through eNPS if they have Aadhaar Card or Permanent Account Number (PAN) card.
64. Rio de Janeiro's governor declared a state of financial emergency.
65. United State based private space transport service company SpaceX successfully launched two commercial satellites viz. EUTELSAT 117 West B and ABS-2A.
66. India's largest public sector lender State Bank of India (SBI) has created a dedicated IT innovations and startup fund and have set aside Rs 200 crore for investment in promising startups.
67. UN Women announces Anne Hathaway as 'goodwill ambassador' to promote gender equality.
68. Govt decides to allow export of 10% missile systems to friendly countries.
69. India and South Korea launched a platform named 'Korea Plus' to promote and facilitate investments from the east Asian country.
70. The Union Cabinet approved Rs 2,070-crore highways project in Punjab to ensure faster movement of traffic between Chandigarh and Ludhiana.
71. Andhra Pradesh is the first State to have obtained a telecom licence and it can issue phone numbers starting with the '797' series from August this year.
72. Supriya Sahu was appointed as Director General of Doordarshan.
73. Famous Television actress Ann Morgan Guilbert died after battling with cancer. She was 87.
74. Sunil Bharti Mittal, founder chairman of Bharti Enterprises, has been elected as the head of International Chamber of Commerce (ICC), based in Paris, France.
75. Senior legal service officer Suresh Chandra was appointed as Union Law Secretary.
76. Union Minister of State for Power, Coal and New and Renewable Energy Piyush Goyal has launched 'URJA'- Urban Jyoti Abhiyaan Mobile app.
77. Prime Minister of Thailand, Prayuth Chan-ocha, arrived in New Delhi for a three-day visit.
78. North America to have its first sanctuary for dolphins. This is announced by Baltimore's National Aquarium.
79. The first timetabled freight train, named 'Cargo Express', from Delhi to Bengaluru was flagged off.
80. MoU for the cooperation in the field of agriculture and allied sector signed between India and Taiwan. Air Services Agreement was also signed between them.
81. MoU between Indian Space Research Organization (ISRO) and Canadian Space Agency (CSA) on cooperation in the field of outer space was approved.
82. Human Resource Development Minister Smriti Irani has launched Vidyanjali, a school volunteer programme in New Delhi. Through Vidyanjali, the government aspires to bring change in the quality of education in schools.
83. During the recent event in District Mandla, Madhya Pradesh, 3,049 people registered their spot in the Guinness book of world records for performing largest Karma Naach dance ever.
84. Shri Dharmendra Pradhan, the Minister of State (I/C) for Petroleum and Natural Gas will represent India at the St Petersburg International Economic Forum (SPIEF) to be held in Russia.
85. The "HelpAge SOS-Save our Seniors App" was launched by Lieutenant Governor of Puducherry Kiran Bedi. This app has 24x7 functionality and aims at helping elders in distress at any given time.
86. Russia launched the most powerful nuclear icebreaker named Arktika. The Project 22220 vessel is 189.5 yards long and 37.1 yards wide.
87. Tech-based car-hailing company Uber has entered into an agreement with Tata group to help its drivers own Indica and Indigo cars with less hassle.

- 88.** Karnataka Bank Ltd has bagged CFBP (Council for Fair Business Practices) Jamnalal Bajaj award for fair business practices.
- 89.** Canadian poet, novelist and environmental activist Margaret Atwood was awarded the 2016 PEN Pinter Prize.
- 90.** Pune-based diabetes specialist Shashank S Shah was conferred with the Vivian Fonseca Scholar Award 2016.
- 91.** Assam Pradesh Congress President (APCC) Anjan Dutta has passed away in New Delhi. He was 64 years old.
- 92.** India has won the three-match One-Day International (ODI) series against Zimbabwe 3-0.
- 93.** The Rio 2016 organising committee revealed the official slogan for the first Olympic and Paralympic Games in South America – “A new world”.
- 94.** President Pranab Mukherjee has been awarded the highest civilian award of Ivory Coast, 'the National Grand Crois’.
- 95.** The cabinet chaired by Prime Minister Narendra Modi has approved the takeover by State Bank of India (SBI) of several subsidiaries.
- 96.** India has pledged a financial assistance of Rs 48.84 million to Nepal for the construction of a Koteswor Multiple Campus building in the capital Kathmandu.
- 97.** Jal Marg Vikas is a project on the river Ganga that is being developed between Allahabad and Haldia to cover a distance of 1620 kilometers.
- 98.** The Union Ministry of New and Renewable Energy (MNRE) has launched a scheme for setting up of 1000 Mega Watt (MW) Wind Power Project connected to transmission network of Central Transmission Utility (CTU).
- 99.** Ministry of railways has signed an agreement with Government of Odisha for the formation of a joint venture Company to develop the railway infrastructure in the state.
- 100.** DCB Bank has launched Bengaluru's first ATM that accepts Aadhaar number and Aadhaar fingerprint (biometric) instead of ATM/Debit Card and PIN to dispense cash.
- 101.** A small regional Florida bank, Stonegate Bank has made history by issuing the first credit card that can be used in Cuba.
- 102.** DBS Bank India appointed Mr. Niraj Mittal as the Managing Director and Head of Institutional Banking for the country.
- 103.** Fijian diplomat Peter Thomson has been elected as the President of 71st session of United Nations General Assembly (UNGA).
- 104.** Kolhapur-headquartered RBL Bank (formerly known as The Ratnakar Bank Limited) appointed Brijesh Mehra as the head of corporate banking at RBL.
- 105.** Germany's largest lender, Deutsche Bank has announced that Gunit Chadha, who is serving as Chief Executive officer for Asia-Pacific region would leave the company next month on 17th of July.
- 106.** Distinguished Hindi writer, activist, thinker and cultural personality Mudrarakshasa has passed away after following a prolonged illness in Lucknow. He was 82 years old.
- 107.** India is set to make its maiden appearance in the Under 17 Futsal World Cup, Paraguay as a wild card to take part in the event.
- 108.** 14 June observed as the World Blood Donor day.
- 109.** India and Ghana signed three bilateral agreements to strengthen co-operation in varied fields.
- Visa waivers for holders of diplomatic and official passports
 - Setting up a Joint Commission
 - Collaboration in diplomatic training
- 110.** Bihar Chief Minister Nitish Kumar inaugurated 'Child Labour Tracking System (CLTS)'.
- 111.** Railway Ministry launched passenger service initiatives namely- a Janani Sewa for mothers.
- 112.** Microsoft is going to acquire professional social platform LinkedIn in all cash transaction valued at \$26.2 billion.
- 113.** Israel has been elected to chair a UN committee for the first time in 71-year history.
- 114.** Gujarat island Shiyal Bet gets electricity for first time.
- 115.** Ranu Langthasa appointed as chairperson of NC Hills Autonomous Council in Assam.
- 116.** Justice Rakesh Ranjan Prasad became the Chief Justice of Manipur High Court.
- 117.** Donald Carr, the former captain of England Cricket team passed away.
- 118.** Indian men's 4x400m relay team has created a new national record.
- 119.** USA Women's won gold in FINA Women Water Polo World League.
- 120.** Usain Bolt won the inaugural Jamaica National Racers Grand Prix.
- 121.** Mercedes racing driver Lewis Hamilton won the Formula 1 Canada Grand Prix title.
- 122.** Sikkim became the first state in India to have an open government data portal linked 'sikkim.data.gov.in'.
- 123.** World Day against Child Labour observed on the of 12th June. The theme was 'End child labour in supply chains - It's everyone's business.'
- 124.** President Pranab Mukherjee began his six-day three-nation visit to Ghana, Ivory Coast and Namibia.
- 125.** A selection committee has been appointed to shortlist candidates for the RBI's governors post. This is headed by the cabinet secretary - P K Sinha.
- 126.** Markets regulator SEBI placed a stricter KYC norms and disclosure regime for Participatory Notes.
- 127.** Home Ministry has proposed instituting 'yoga medals' for central paramilitary troops for displaying exceptional skills in the discipline.

- 128.** Tata Power Renewable Energy Ltd (TPREL) acquired the renewable energy (RE) subsidiary of Delhi-based Welspun Renewables Energy Pvt Ltd (WREPL).
- 129.** China launched its the 23rd Satellite called BeiDou Navigation Satellite System.
- 130.** Satya Pal Jain, the additional Solicitor General of India and former Parliamentarian has been appointed as a part-time member of the 21st Law Commission of India.
- 131.** Dr. M Beena, appointed as the Managing Director of the Kerala Industrial Infrastructure Development Corporation (KINFRA)
- 132.** Veteran theatre actor Achyut Lahkar has passed away at the age of 85 years old.
- 133.** Indian ace badminton player, Saina Nehwal won her second Australian Open title by defeating China's Sun Yu in the finals.
- 134.** The Joint military exercise named Malabar Exercise begins between India, Japan and US near the South China Sea.
- 135.** The National Award for Best Performing Central PSU conferred to The Airports Authority of India (AAI) for its Roof Top Solar Power initiatives.
- 136.** A report titled Road Accidents in India 2015 released. Mumbai city had the highest number of road accidents while Delhi had the highest number of deaths due to road accidents.
- 137.** Telangana State will be setting up a 'Pharma City' on 12,500 acres of land in Rangareddy and Mahbubnagar districts.
- 138.** 37.5 crores sanctioned by the Union Urban Development Ministry for development of Machilipatnam town under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) scheme.
- 139.** FICCI, Federation of Indian Chambers of Commerce & Industry (FICCI) will be the national partner for the 8th Vibrant Gujarat Summit. Theme of the summit will be 'Connecting India to the World'.
- 140.** State Bank of India (SBI) and Spain's Caixa Bank signed a pact to provide loans to Indo-Spanish joint ventures and local enterprises.
- 141.** 'Sansad Ratna' awards given to Member of Parliaments. The winners are:
- PP Chaudhary
 - Heena Vijaykumar Gavit
 - Shrirang Appa Barne,
 - Raajeev Shankarrao Satav,
 - Shivaji Adhalrao Patil and
 - P Rajeev.
- 142.** V Vaithialingam, Congress leader and former Chief Minister elected as the Speaker of the legislative Assembly of Puducherry.
- 143.** G Ragesh Chandra has been designated as Secretary to Puducherry Chief Minister V Narayanasamy.
- 144.** Obituaries – Eminent people who passed today were
- 145.** The former Chairman of Karnataka Bank Mr. M.S. Krishna Bhat has passed away in Mangaluru. He was 78 years old.
- 146.** Canada's Ice-hockey icon Gordie Howe has passed away at the age of 88 years.
- 147.** Veteran journalist Inder Malhotra has passed away in Delhi at the age of 86 years.
- 148.** In Bihar, Railway Minister Suresh Prabhu has flagged off Champaran Satyagrah Express train. The train will run between Bapudham, Motihari to Anand Vihar, Delhi.
- 149.** Axis Bank has launched India's first internationally-listed certified green bond to finance climate change solutions around the world at London Stock Exchange (LSE).
- 150.** Maharashtra government has decided to celebrate the 21st day of every month as Yoga day across all schools, colleges and universities in the state.
- 151.** India has joined a group of nearly 40 countries that have signed a Europe-led clampdown on tax evasion and corruption.
- 152.** Nepal's Deputy Prime Minister Mr. Kamal Thapa completed his three-day visit.
- 153.** Food Corporation of India (FCI), a state-run organization has signed an agreement with the Adani group for construction of two silos to store wheat.
- 154.** Tata Power Solar has bagged the Ministry of New and Renewable Energy (MNRE) award for rooftop solar power projects.
- 155.** Internet search engine Google and Tata Trusts' joint initiative Internet Saathi was launched in Kolkata, West Bengal.
- 156.** State-run firm Mahanagar Telephone Nigam Limited (MTNL), Chairman and Managing Director, Narendra Kumar Yadav has resigned.
- 157.** Per Lodin, Major General of Sweden, was appointed as the Head of the UN Military Observer Group in India and Pakistan (UNMOGIP).
- 158.** An Indian American author Mr. Akhil Sharma has won the prestigious 2016 International DUBLIN Literary Award for his novel 'family life'.
- 159.** In Madhya Pradesh, ruling BJP MLA Rajendra Dadu died in a road accident. He was 62 years old.
- 160.** Facebook India has appointed Umang Bedi as managing director.
- 161.** Real Madrid Cristiano Ronaldo has become the first athlete from a team sport in almost 20 years to top Forbes annual list of the World's Highest-Paid Athletes.
- 162.** The World Bank Group President Jim Yong Kim has slashed the global growth forecast of 2016 by 0.5 % to 2.4 %. India's growth projections to 7.6% for 2016-17 and 7.7% in 2017-18.

- 163.** India has been ranked 141 on the 2016 Global Peace Index, falling behind countries like Burundi, and Serbia on the 163-country list. Iceland topped the list.
- 164.** According to recently released BP Statistical Review of World Energy India has surpassed Japan to become the world's third-largest oil consumer.
- 165.** Asian Development Bank has approved a USD 100 million (around Rs. 660 crores) loan to strengthen a key irrigation system and improve water management in the Vennar sub-basin of Cauvery Delta in Tamil Nadu.
- 166.** Pakistan has topped the list of 19 countries figuring in the 2016 Malware Infection Index (MII) in the Asia-Pacific region.
- 167.** The International Monetary Fund (IMF) has approved 1.5 billion US dollar loan to Sri Lanka.
- 168.** The World Health Organization (WHO) has announced that Thailand has become the first Asian country to eliminate mother-to-child HIV transmission.
- 169.** Russian President Vladimir Putin signed a decree awarding the Order of Friendship to United Nations Secretary-General Ban Ki-moon.
- 170.** Jet Airways chairman Naresh Goyal has been re-elected to IATA's (International Air Transport Association) Board of Governors.
- 171.** Tamil Nadu appointed P Rama Mohana Rao as the new Chief Secretary of the state.
- 172.** G Kalyanakrishnan has taken over as New Chief Executive of Nuclear Fuel Complex (NFC), Hyderabad.
- 173.** Former Kerala Assembly Speaker T S John has passed away at a hospital at Chertala in Alapuzha.
- 174.** Veteran journalist KK Katyal has passed away after a brief illness in Delhi. He was 88 years old.
- 175.** Russian tennis player Maria Sharapova was banned for two years by the International Tennis Federation.
- 176.** The World Oceans Day observed globally on 8th June. The theme of this year is "Healthy Oceans, Healthy Planet".
- 177.** Minister for Power, Coal and New & Renewable Energy Piyush Goyal has launched 'Surya Mitra' mobile app at the national workshop on rooftop solar power in New Delhi.
- 178.** Minister of State for AYUSH, Shripad Yesso Naik, has inaugurated a National Health Editors' Conference in New Delhi.
- 179.** Union Home Ministry has decided to form new reserve battalion. It will be called Maharana India Reserve Battalion.
- 180.** Ashok Ganapathy has appointed as the Director of Bharti Airtel Ltd.
- 181.** The US has returned over 200 stolen cultural artifacts to India, some dating back 2,000 years. The estimated cost of these artifacts is around US\$ 100 million.
- 182.** The Nuclear Power Corporation of India (NPCIL) and the US firm Westinghouse have agreed to begin engineering work for six nuclear power plant reactors in India.
- 183.** India and the US have announced the setting up of two financial assistance programmes worth \$60 million for supporting India's much-needed clean energy initiatives including in solar power and other renewables.
- 184.** Four Indian women, including SBI Managing director Arundhati Bhattacharya and ICICI Bank Managing director Chanda Kochhar, are in the new list of Forbes' world's 100 most powerful women. Topped by German Chancellor Angela Merkel.
- 185.** Eminent Indian-origin professor Lord Kumar Bhattacharyya has been awarded the prestigious Regius Professorship in Manufacturing by Queen Elizabeth II for his outstanding contribution in manufacturing.
- 186.** Dr. Shahid Rasool has taken charge as the new director of the Commonwealth Educational Media Centre for Asia (CEMCA).
- 187.** American mixed martial arts fighter Kimbo Slice has passed away in Florida. He was 42 years old. His real name was Kevin Ferguson.
- 188.** Chess grandmaster Victor Korchnoi has passed away in Wohlen, Switzerland. He was 85 years old.
- 189.** Amber Gurung, the renowned Nepali musician, and composer of the country's national anthem has passed away.
- 190.** Eden Gardens to host India's 1st pink ball match
- 191.** City of Nawab's -Lucknow, India will host the junior men's hockey World Cup this year.
- 192.** Reserve Bank of India Governor Raghuram Rajan has announced the Second Bi-monthly Monetary Policy Statement for the year 2016-17 & kept the repo rate unchanged at 6.5%, reverse repo rate stays at 6.00 %, and CRR remains at 4%.
- 193.** Himachal Pradesh became the first state in the country to have a State Data Centre (SDC).
- 194.** Guwahati has become the first city in the country to have its own 'city animal' with Kamrup metropolitan district administration declaring Gangetic River Dolphin as its mascot.
- 195.** Government has launched a campaign 'Swachh Yug', a collaborative effort of three Union Ministries, to bring about behavioral change among people staying in villages along the holy river.
- 196.** Rajasthan Government has launched mobile application RajVayu for sharing information about air quality index of Jaipur, Udaipur and Jodhpur.
- 197.** The government and multilateral lending agency Asian Development Bank (ADB) has signed a \$120 million loan

- agreement to improve irrigation and water management infrastructure in Odisha.
- 198.** Adobe has announced the appointment of Kulmeet Bawa as Managing Director (MD) for South Asia.
- 199.** Indian Olympic Association president N. Ramachandran has been awarded with the prestigious Olympic Order by the International Olympic Committee (IOC) for his outstanding services to the Olympic movement.
- 200.** Bollywood actress Dia Mirza has named as the ambassador for Swachh Saathi (student internship) programme.
- 201.** Deshauna Barber, a serving Army Reserve officer of United States (US), has crowned as the Miss USA 2016.
- 202.** In 2016 rankings, Walmart has topped the Fortune 500 list for the fourth consecutive year.
- 203.** According to Forbes Magazine report, Serena Williams has overtaken Maria Sharapova as the world's highest-paid sportswoman.
- 204.** Minister of Railways Shri Suresh Prabhakar Prabhu has flagged off the inaugural run of the Tiger Trail Circuit Train from Delhi Safdarjung Station.
- 205.** Prime Minister Narendra Modi and Afghanistan President Dr Ashraf Ghani jointly inaugurated the Afghan-India Friendship Dam with in Herat province in Western Afghanistan.
- 206.** The Indian government and the Asian Development Bank (ADB) have signed an agreement for a \$200 million loan to upgrade 176-km roads in Jharkhand.
- 207.** India and Qatar have signed seven agreement in various fields to boost bilateral ties which includes investment on tourism and trading enhancement.
- 208.** In recently released 2015 Good Country Index (GCI), India has been placed at 70th position in the list of 163 countries. The list has been topped by Sweden as the best country in the world.
- 209.** Congress Legislature Party leader V Narayanasamy has sworn in as Chief Minister of the Union Territory of Puducherry.
- 210.** Haryana Government has launched Asia's first 'Gyps Vulture Reintroduction Programme' at the Jatayu Conservation Breeding Centre at Pinjore.
- 211.** Bihar Chief Minister Nitish Kumar has launched Right to Public Grievance Redressal Act. The act seeks disposal of peoples' complaints or redressal of grievances from Government officials within 60-days.
- 212.** World Environment Day (WED) was observed globally on 5 June 2016 with theme Zero tolerance for the illegal trade in wildlife.
- 213.** Asia's largest annual security forum Shangri-La Dialogue was inaugurated in Singapore to talk about security issues in the Asia-Pacific region.
- 214.** Renowned Indian sand artist Sudarsan Pattnaik has won the gold medal in people's choice prize at world championship festival of sand sculpting Russe, 2016, which was held in Bulgaria.
- 215.** P Dhanapal and Pollachi V Jayaraman were unanimously re-elected as Speaker and Deputy Speaker respectively.
- 216.** Senior IPS officer Navin Agarwal was appointed as Director General (DG)/ Chief Executive Officer (CEP) of National Anti-Doping Agency (NADA).
- 217.** Eminent actress and theatre personality Sulabha Deshpande has passed away in Mumbai. She was 79 year old.
- 218.** India's first Mr Universe Manohar Aich has passed away in Kolkata. He was 104 year old.
- 219.** World number one Novak Djokovic beat Britain's Andy Murray 3-6, 6-1, 6-2, 6-4 to win his first French Open title and complete the career Grand Slam.
- 220.** Nikesh Arora resigned as the Representative Director, President and Chief Operating Officer (COO) of SoftBank Group (SBG).
- 221.** Noted Telangana poet and lyricist Guda Anjaiah passed away.
- 222.** Indian Space Research Organisation (ISRO) launched a record 20 satellites in a single mission from the Satish Dhawan Space Center in Sriharikota, Andhra Pradesh.
- 223.** Mori village in East Godavari district of Andhra Pradesh will be developed as a smart village.
- 224.** International Day for the Elimination of Sexual Violence in Conflict was observed on 19 June 2016.
- 225.** Prime Minister Narendra Modi outlined RAPID, a five-point charter for tax administrators to reform and to expand the net base of the direct tax. The Prime Minister outlined the RAPID as
R - Revenue, A - Accountability,
P - Probity, I - Information D - Digitization.
- 226.** India and Namibia signed two Memoranda of Understanding (MoUs) on capacity building for civil servants of Namibia and to set up of centre of excellence in Information and Communications Technology (ICT).
- 227.** India-Bangladesh transit facility under the revised Inland Water Transit and Trade Protocol became operational between Kolkata-Ashuganj-Tripura.
- 228.** Indian-origin diplomat Kamala Shirin Lakhdhir nominated as the next American Ambassador to Malaysia.
- 229.** World Day to Combat Desertification (WDCD) 2016 was observed on 17 June.
- 230.** Manimala Devi, veteran Odia actress, passed away recently.
- 231.** Mohun Bagan announced that it will honour country's only Dronacharya football coach Syed Nayeemuddin with the Mohun Bagan Ratna.

- 232.** Indian-origin diplomat Kamala Shirin Lakhdir nominated as the next American Ambassador to Malaysia by US President Barack Obama.
- 233.** Businessman Vijay Mallya declared as a Proclaimed Offender by a special court for the Prevention of Money Laundering Act (PMLA).
- 234.** World Elder Abuse Awareness Day was observed globally on 15 June.
- 235.** RBI formulated the Scheme for Sustainable Structuring of Stressed Assets (S4A) as an optional framework for the resolution of large stressed accounts.
- 236.** Norway became the first country to prohibit deforestation.
- 237.** Maharashtra Government appointed taskforce headed by agriculture expert Kishore Tiwari to address agrarian issues.
- 238.** India-US inked 8 MoUs to boost economic growth & sustainable development.
- 239.** The North Atlantic Treaty Organization (NATO) members and partners launched Anaconda-16 Exercise, the biggest ever joint military exercise in Poland.
- 240.** Uttar Pradesh Chief Minister Akhilesh Yadav appointed a judicial commission to probe into the recent Mathura violence hours which will be headed by Justice Mirza Imtiyaz Murtaza.
- 241.** India signed a MoU with USA to facilitate hassle-free entry of Indians into America at selected airports.
- 242.** India became the co-chair of Working Group on Maritime Situational Awareness under Contact Group on Piracy off the Coast of Somalia (CGPCS).
- 243.** The Rajiv Gauba Committee on Decongestion of Traffic in Delhi submitted its report to the Union Ministry of Urban Development.
- 244.** Exercise Desert Eagle II, the second in the series of bilateral exercises between Indian Air Force (IAF) and United Arab Emirates Air Force (UAE AF) concluded.
- 245.** Chief Minister of Haryana Manohar Lal Khattar laid foundation stone of Jai Jawan Awas Yojna (JJAY) at Bahadurgarh, Haryana.
- 246.** The founder and chairperson of Reliance Foundation, Nita Ambani nominated as a candidate to be a new member of the International Olympic Committee (IOC) headquartered at Lausanne, Switzerland.
- 247.** Odisha becomes first Indian state to give pension and food benefits to transgenders.
- 248.** The Haryana Government launched Asia's First Gyps Vulture Reintroduction Programme at Jatayu Conservation Breeding Centre, Pinjore.
- 249.** Asia's largest annual security forum Shangri-La Dialogue was inaugurated in Singapore.
- 250.** Sachin Tendulkar's name to be used in Kerala Government's Anti-Drug Campaign.
- 251.** The Unseen Indira Gandhi which is authored by Dr KP Mathur released.

Tricky Notes: How to learn the Members of NATO

Dear Readers,

The North Atlantic Treaty Organization was created in 1949 by the United States, Canada, and several Western European nations to provide collective security against the Soviet Union.

It is an intergovernmental military alliance based on the North Atlantic Treaty which was signed on 4 April 1949. The organization constitutes a system of collective defence whereby its member states agree to mutual defense in response to an attack by any external party.

The total number of members in the North Atlantic Treaty Organization are 28.

HQ: Brussels, Belgium

TRICKS TO LEARN THE MEMBERS OF NATO

Trick 1:

Bel Al Ice T Ca Use Slo'Iy karo

Pronunciation: "Belal IceT Ca Use Slowly karo"

Countries:

1. **Bel:** Belgium
2. **Al:** Albania
3. **Ice:** Iceland
4. **T:** Turkey
5. **Ca:** Canada
6. **US:** USA
7. **Slo:** Slovakia
8. **Slo:** Slovenia

Trick 2:

Den-Bul Ne Spa Rom mein Pol par Hungama kia

Pronounce: Den-Bul Ne Spa Room mein Pol par Hungama Kia

Countries:

9. **Den:** Denmark
10. **Bul:** Bulgaria
11. **Ne:** Netherlands
12. **Spa:** Spain
13. **Rom:** Romania

14. Pol: Poland
15. Hunga: Hungary

Trick 3:

GeU Esto ki Repu Great hai:

16. Ge: Germany
17. U: UK
18. Esto: Estonia
19. Repu: Republic(Czech Republic)
20. Gre: Greece

Trick 4:

No, La L Ita ka Cro Po Lite aur Friendly hai

Pronounce: No, LaLIta ka Cro PoLite aur Friendly hai

Countries:

21. No: Norway
22. La: Latvia
23. L: Luxembourg
24. Cro: Croatia
25. Ita: Italy
26. Po: Portugal
27. Lit: Lithuania
28. Fr: France

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ONE STOP PORTAL FOR THE CURRENT AFFAIRS

CURRENT AFFAIRS ZINGER : MAY 2016

1st -6th MAY

1. Which organization has entered into a collaboration with German government for a special programme on 'Soil Protection and Rehabilitation for Food Security'?
2. Which of the following country will not provide F-16 fighter jets to Pakistan on subsidised rate?
3. In a first for any state in India, which state government launched a web-based application 'Adi Praman' that will enable tribals to get caste validity certificates online?
4. Name the person, who qualified for the Rio Games while winning silver in women's 3000m steeplechase on the second and penultimate day of the Federation Cup National Athletics Championships in New Delhi?
5. President Pranab Mukherjee invited which of the country's investors and entrepreneurs to participate in the "Make in India" initiative and He is also now tour of that country?
6. A strategic partnership agreement has been signed by which company with three Ukrainian 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?
7. Which of the following organization and Saarc Development Fund (SDF) has signed a Memorandum of Understanding (MOU) for mutual cooperation and collaboration?

8. Which state government 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?
9. Which Telecom major is close to launching an IPO with its British parent picking six investment banks, including Kotak, ICICI and UBS, for the over USD 2 billion share sale process?
10. Name the person who was a Roman Catholic priest and peace activist who was imprisoned for burning draft files in a protest against the Vietnam War, died at the age of 94?
11. On 57th Foundation Day, which state said, the government has decided to make 300 villages across the state self-reliant on the lines of smart cities?
12. The Centre's ambitious National LED programme - Unnat Jyoti by Affordable LEDs for All (UJALA) - will be implemented across the country by?
13. Prime Minister Narendra Modi rode an e-boat and an e-rickshaw in which city on 01st May 2016 and said India has to become stronger by empowering its poor?
14. Labour day or May day celebrated on?
15. Which state government launched Chandranna Bima Yojana, an insurance scheme by the State government for the working class people on the occasion of May Day?
16. Star Indian pugilist Vijender Singh recorded his 5th consecutive victory in Professional?
17. India ranks which 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?
18. India and which of the following countries has signed a bilateral air services agreement that would facilitate the operation of direct flights between two countries?
19. Paytm has partnered with which company for its upcoming Payments bank business?
20. The tagline for the Pradhan Mantri Ujjwala Yojana (PMUY) is?
21. INS Kalvari is also known as?
22. Name the player who has been nominated for the prestigious Rajiv Gandhi Khel Ratna Award?
23. Which player will be India's goodwill ambassador at Rio Olympics along with actor Salman Khan and Shooter Abhinav Bindra?
24. Who is appointed as the Information and Broadcasting secretary?
25. Name the Indian American Sikh woman who has been elected to an important position in the Republican party?
26. Name the country, where Wipro has inaugurated the country's 1st all women IT park?
27. Which team have won the English Premier League title for the first time in the club's 32 year history?
28. Name the American multinational technology company, who has acquired a business technology start-up 'Synergys' founded by an Indian-origin entrepreneur?
29. Who is appointed as Brand Ambassador of the world famous watch brand Hublot?
30. The United Nations General Assembly declared World Press Freedom Day on?
31. Name the place where India will organize a cultural festival to mark the 155th birth anniversary of Rabindranath Tagore?
32. Which of the following organization 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?
33. The Ethics Committee of the Rajya Sabha has unanimously recommended the expulsion of its member and liquor baron. Who is?
34. The Supreme Court of India appointed a 3 member panel to oversee the functions of Medical Council of India(MCI).The panel headed by?
35. Name the Former Jammu and Kashmir Minister and senior Congress leader who passed away after a prolonged illness?
36. Name the state, which has launched a scheme to grant financial assistance of up to Rs 25 lakh to (MSME)?
37. Reliance power is all set to setup a power plant in which country?
38. Name the person who has been appointed as the Director of Film and Television Institute of India (FTII) or a term of 3 years?
39. Kotak Mahindra Bank has surpassed which bank in m-cap recently?
40. The Union ministry of water resources agreed to fund 132 incomplete irrigation projects worth Rs.7,188 crore in 14 districts in which of the following state recently?
41. Ayush has joined hands with which department to impart yoga training to Defence Wing Staff?
42. Which bank has become the fourth bank to open its IFSC Banking Unit (IBU) at International Financial Services Centre (IFSC) in Gujarat International Finance Tec-City (GIFT) City?
43. State-run Bharat Heavy Electricals Ltd (BHEL) has commissioned 600 MW coal-based thermal power plant in which of the following state?

44. The 49th Annual General Meeting of ADB is being held from May 2-5 at Frankfurt, Germany. From the side of India who has gone to attend the ADB's board of governors meet?
45. Name the person who captured the verdant Swiss valley in his films, has been honoured with a special statue by the Switzerland government?

ANSWERS:

- | | | |
|-------------------------|----------------------------------|-------------------------|
| 1. NABARD | 16. Boxer | 32. IIM-Bengalore |
| 2. USA | 17. 5th | 33. Vijay Mallya |
| 3. Maharashtra | 18. New Zealand | 34. RM Lodha |
| 4. Sudha Singh | 19. Wipro | 35. Romesh Sharma |
| 5. New Zealand | 20. Swachh Indhan, Behtar Jeevan | 36. Haryana |
| 6. Reliance Defence | 21. Tiger Shark (or S50) | 37. Bangladesh |
| 7. SIDBI | 22. Virat Kohli | 38. Bhupendra Kainthola |
| 8. Odisha | 23. Sachin Tendulkar | 39. ICICI Bank |
| 9. Vodafone India | 24. Ajay Mittal | 40. Maharashtra |
| 10. Rev Daniel Berrigan | 25. Harmeet Kaur Dhillon | 41. DRDO |
| 11. Gujarat | 26. Saudi Arabia | 42. Kotak Mahindra Bank |
| 12. 2019 | 27. Leicester City | 43. Madhya Pradesh |
| 13. Varanasi | 28. Google | 44. Arun Jaitley |
| 14. 01st May | 29. Rohit Sharma | 45. Yash Chopr |
| 15. Andhra Pradesh | 30. May 3 | |
| | 31. Egypt | |

7th - 13th MAY

- Name the country with which India has signed the agreement for Information communication technology?
- Name the Indian author and professor who has won the commonwealth short story regional prize for 2016, in the Asia region for his "politically grounded, funny" fiction 'Cow and Company' about four men in search of a cow?
- Name the Company, which has commissioned 500 MW thermal power unit in Jharkhand?
- The Union Government had constituted a committee on yoga education in universities. The committee was headed by?
- Name the bank which has become the 1st Indian bank to partner with New Development Bank (NDB)?
- The Appointments Committee of the Cabinet has approved the proposal for appointment of the 4th Fare Fixation Committee in the Delhi Metro Rail Corporation Limited (DMRC).The committee headed by?
- Goa Shipyard Limited (GSL), launched Indian Coast Guard Ship (ICGS).....at Vasco,Goa?
- Who has been appointed as the new Chief of Naval Staff and will assume charge on May 31?
- Godrej Industries Limited has appointed which person as the Managing Director for its gourmet retail business, Godrej Nature's Basket?
- United Nations has urged which of the following country to implement judicial reforms to speed up the prosecutions against human rights violators in the country?
- Name the Tourist train that Railways has launched for pilgrims to visit Shirdi, Tirupati, Jagannath Puri, Gangasagar, Baidyanath Dham and Jyotirlingams among others?
- In all over India, people pays homage to Kavi-Guru Rabindranath Tagore, the Nobel laureate's.....birth anniversary on 08th May 2016?
- In a unique initiative in which of the following state/UTs, the Election Commission is sending out 'Meghdoot' postcards to three lakh voters requesting them to cast their votes in the May 16 Assembly polls?
- Name the two Indian women wrestlers who have qualified for Rio Olympics, In the Olympic world qualifying tournament at Istambul in Turkey recently?
- Name the country, which has successfully launched Japanese JCSAT-14 Satellite?
- Which of the following Bank has announced its new tie-up with National Australia Bank (NAB) for online inward remittance from Australia at competitive rates?
- Parliament has passed which bill with Lok Sabha approval recently?
- Prime Minister Alexis Tsipras has defended controversial new pension and tax reforms approved by parliament. Alexis

Tsipras is the present Prime Minister of which of the following country?

19. Which player won Mutua Madrid Open 2016 defeating the defending champion Andy Murray?
20. Name the Pakistani human right activist who was shot dead by a gunmen in Karachi?
21. 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?
22. Name the bank which has announced the donation of rs. 1 crore for drought relief in Maharastra?
23. An Indian-origin lawyer Murali Pillai has been elected member of the parliament in which of the following country?
24. IRCTC is planning to sell cuisine and handicrafts of which state?
25. 7th Asian Youth Championship was held in which of the following place recently?
26. Who has won the Presidential elections, following the withdrawal of his opponents in Philippines?
27. Name the BCCI's president who has resigned recently?
28. Name the bank which has launched 'cash back' campaign for its VISA debit cardholders recently?
29. The first round of consultation between and India on New Delhi's case filed at the World Trade Organisation (WTO) against the significant increase in visa fee for non-immigrant workers in the country is scheduled in Geneva this week.
30. The Reserve Bank Of India will shortly issue which denomination bank notes with ' R' as insert letter?
31. 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?
32. The Supreme Court struck down the Telecom Regulatory Authority of India (TRAI), making it mandatory for telecom

ANSWERS:

- | | | |
|---------------------|----------------------------------|--------------------------|
| 1. Qatar | 11. Bharat Darshan | 22. Saraswat bank |
| 2. Prashar Kulkarni | 12. 155 th | 23. Singapore |
| 3. BHEL | 13. Puducherry | 24. Jammu and Kashmir |
| 4. H R Nagendra | 14. Vinesh Phogat & Sakshi Malik | 25. Kazakhstan |
| 5. ICICI Bank | 15. USA | 26. Rodrigo Duterte |
| 6. M L Mehta | 16. South Indian Bank | 27. Shashank Manohar |
| 7. Shaurya | 17. Anti-Hijacking Bill | 28. Karnataka Bank |
| 8. Sunil Lanba | 18. Greece | 29. USA |
| 9. Avani Davda | 19. Novak Djokovic | 30. 1000 |
| 10. Sri Lanka | 20. Khurram Zaki | 31. Sahibganj, Jharkhand |
| | 21. Sri Nagar | 32. R S Sharma |

companies to compensate subscribers for call drops. Who is present chairman of TRAI?

33. Who was the chief of Jamaat-e-Islami, hanged by Bangladesh authorities for war crimes recently?
34. Reserve Bank of India said that Maharashtra-based Non Banking Financial Institutions -NBFCs have surrendered their registration certificates following which they won't be allowed to transact their financial business.
35. India will send its largest ever contingent of how many sports persons to Olympics being held in Rio beginning 5th of August 2016?
36. Which of the following company raised Rs. 200 crore fund for Research and Development (R&D)?
37. Name the training exercise, which has been conducted by Indian Army in Suratgarh, Rajasthan in recently.
38. Name the Former BCCI President who has been elected unopposed as the first independent Chairman of the International Cricket Council (ICC).
39. Which bank 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?
40. NBA superstar.....was named as the National Basketball Association's (NBA) Most Valuable Player (MVP) for the second straight year.
41. Charlotte Edwards, a women cricket team captain, announced her international retirement. She is related to which country?
42. Name the country which has decided to close World's biggest refugee camp in Dadaab?
43. United Nations projects India's GDP to grow in 2016 by how much percent?

- 33. Motiur Rahman Nizami
- 34. Seven
- 35. 90 sports persons
- 36. Vedanta Ltd.

- 37. Chakravyuh-II
- 38. Shashank Manohar
- 39. ICICI Bank
- 40. Stephen Curry

- 41. England
- 42. Kenya
- 43. 7.3 Per Cent

14th - 19th MAY

1. Who did headed the committee which submitted a report on Jat Quota agitation to Haryana Chief Minister Manohar Lal?
2. Maharashtra government has declared drought in how many villages of the state recently among which most of the villages are in parched Marathwada and Vidarbha regions?
3. Name the Former Indian cricket team captain who has been re-appointed as 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?
4. Who was the Spiritual leader and Nirankari Mission chief recently killed in a road accident in Montreal, Canada?
5. Name the University which has completed 100 years of its eventful journey in the year 2016?
6. According to WHO urban air quality database report which city is most polluted in the world?
7. The RBI has stated that entities from some countries will require its prior approval to establish branch office or project office or liaison office in India. Which of the following country is not one of them?
8. The world's largest cargo aircraft Antonov An-225 Mriya has made its first landing in India at the?
9. Which of the following Bank has appointed Sanjiv Misra, a retired bureaucrat, as non-executive chairman and independent director for a period of five years?
10. The Prime Minister along with Sri Lankan President Maithripala Sirisena released 'Simhastha Declaration' at Ninora village in?
11. As per United Nations report, India is projected to add 300 million new urban residents by?
12. Railway minister Suresh Prabhu has inaugurated a number of amenities through remote control from Dadar?
13. Justice Naveen Sinha is new Chief Justice of?
14. Indian boxing star Vijender Singh registered his _____ successive knockout victory by out-punching Andrzej Soldra of Poland in a Super Middleweight contest at Boltan in UK.
15. The Supreme Court has directed budget airline Spicejet to pay how much as damages to a flyer, suffering from cerebral palsy, who was forcibly offloaded in 2012?
16. Name the person who has been appointed as the Deputy Comptroller and Auditor General of CAG?
17. Name the Indian-American who has won the award at UN poster contest on N-disarmament?
18. In a bid to provide solar energy, the Indian Railways is all set to conduct trial of its first solar panel-powered train in?
19. BJP National president Amit Shah inaugurated the second phase of Pradhan Mantri Ujjwala Yojana at Dahod in?
20. India successfully test fired its home-grown Advanced Air Defence interceptor missile dubbed as Ashwin from the Integrated Test Range off?
21. Which of the following country has successfully launched a remote sensing satellite to carry out land surveys and disaster relief?
22. Name the bank which has confirmed its exit from retail banking operations in India recently?
23. Who have won the Rome Masters Women's Doubles Title?
24. Who has resigned from the post of auditing and compliance head of FIFA in a protest at reforms in the governing body of world football?
25. The Air Forces of India and US concluded their four-week _____ aerial combat exercise at Alaska in the US.
26. In a major development for Indian football and judiciary, world governing body FIFA has appointed which of the following Justice as deputy chairman of it's governance committee?
27. Eric Dusingizimana, has set a new Guinness world record by batting out a straight 51 hours. Eric Dusingizimana played for?
28. Name the film that is a four minute documentary film on girl child education, has been invited for special screening at the 42nd Seattle International Film Festival (SIFF), Washington DC.
29. Hundreds of Madhesi have started fresh protests against the new Constitution, pressing for their demands relating to more rights, adequate representation and re-demarcation of provincial boundary in?
30. The Centre has approved the proposal to set up Kalinganagar National Investment and Manufacturing Zone in Jajpur district of which of the following state?
31. Who is the 2nd Indian cricketer to score a memorable test century in his debut innings and he passed away recently?
32. Name the player who has become the youngest formula 1 winner?

33. First of its kind - landmark agreement signed between India and which organization for global promotion of traditional medicine?
34. India and _____ has concluded a nuclear agreement with each other to engage the bilateral neighborhood relationship.
35. Name the company which has received Rs. 1,600 crore order from the joint venture of NTPC and SAIL?
36. Union Health Minister J P Nadda chaired a meeting of State Health Ministers on the issue of common medical entrance test in?
37. Who won the Italian Open Men's Singles Tennis title?
38. Who received the first copies of the books 'Tagore's Vision of the Contemporary World' and 'Tagore and Russia'?
39. Han Kang, has won the 2016 Man Booker International Prize for her novel 'The Vegetarian'. She belongs to which of the following country?
40. NASA successfully launched a super pressure balloon from _____ South Island Wanaka Airport to conduct near-space scientific investigations recently?
41. RBI has authorised how many agency/agencies banks to accept payments of Income Tax dues?
42. A three-member Indian women's 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. They are related to which game?
43. Name the novelist who has received the highest French honour?
44. While many banks are reeling under high non-performing assets and net losses, Kolkata-based Bandhan Bank has reported a net profit of 275.25 crore in the first seven months of its operations. Who is present CEO and MD of Bandhan Bank?
45. Tata Power Solar has successfully commissioned a 12 MW solar rooftop project for Radha Soami Satsang Beas (RSSB) Educational and Environmental Society in?
46. Singapore based DBS Bank has decided to set up its biggest technology hub out off its headquarter. The bank has appointed Mr Mohit Kapoor as the head of its Technology Development Centre in?
47. 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?
48. Name the Indian-American student who has won the prestigious Intel Foundation Young Scientist Award?
49. Which of the following state government has decided to launch Green Passage scheme for orphan students to ensure that they get free of cost higher education in the state?
50. Which country has plans to build more than 500 airports by 2020 to create a market worth over 153 billion US dollars for its general aviation industry?
51. Name the person who has been appointed as IndiGo's new Chief Financial Officer (CFO)?
52. The country's 2nd largest giant in two wheeler section, Honda Motorcycle and a Scooter India (HMSI) has signed a Memorandum of Understanding with which Bank to offer retail finance to buyers at an attractive rate of interest on all Honda 2 Wheeler models?
53. The discoverer of Neptune's rings _____ has passed away in Paris, France.
54. The Income Tax department has launched a special electronic grievance redressal system called _____ in order to fast track taxpayer grievances and ensure early resolution of their complaints.

ANSWERS:

- | | | |
|-----------------------------------|------------------------------------|----------------------|
| 1. Parkash Singh | 13. Rajasthan High Court | 26. Mukul Mudgal |
| 2. 29,000 villages | 14. Sixth | 27. Rwanda |
| 3. Anil Kumble | 15. 10 lakhs | 28. Beti |
| 4. Hardev Singh | 16. Pradeep Rao | 29. Nepal |
| 5. Banaras Hindu University (BHU) | 17. Anjali Chandrashekar | 30. Odisha |
| 6. Zabol, Iran | 18. Jodhpur, Rajasthan | 31. Deepak Shodhan |
| 7. South Africa | 19. Gujarat | 32. Max Verstappen |
| 8. Hyderabad | 20. Odisha coast | 33. WHO |
| 9. Axis Bank | 21. China | 34. Bangladesh |
| 10. Ujjain | 22. Royal Bank of Scotland | 35. BHEL |
| 11. 2050 | 23. Sania Mirza and Martina Hingis | 36. New Delhi |
| 12. Dadar East | 24. Domenico Scala | 37. Andy Murray |
| | 25. Red flag | 38. Pranab Mukherjee |

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|---------------------------|----------------------|-------------------|
| 39. South Korea | 45. Amritsar, Punjab | 51. Rohit Philip |
| 40. New Zealand | 46. Hyderabad | 52. IndusInd Bank |
| 41. 29 | 47. NK Singh | 53. Andre Brahic |
| 42. Archery | 48. Syamantak Payra | 54. e-nivaran |
| 43. JK Rowling | 49. Odisha | |
| 44. Chandra Shekhar Ghosh | 50. China | |

20th - 27th MAY

1. Which state government has constructed 10 lakh pucca houses under various rural housing schemes in past two years?
2. 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. Who is the present Prime Minister of Nepal?
3. Tata Power Renewable Energy Ltd(TPREL) has announced that it has won two solar-grid connected photovoltaic projects of 50 MW capacity each in the Tumkur district of?
4. As per United Nations report, India is projected to add 300 million new urban residents by?
5. Apple has announced the opening of a new office in which place that will focus on development of Maps for Apple products?
6. Who has been appointed as the Executive Secretary of the UNFCCC?
7. Name the bank which has confirmed its exit from retail banking operations in India recently?
8. Which of the following bank has topped the list of worst losses in Indian Banking History?
9. Name the BJP leader who will take oath as Chief Minister of Assam?
10. The cyclonic storm _____ over west central Bay of Bengal moved northeastwards and lay centered at about 40 km south-southeast of Kalingapatnam (Andhra Pradesh).
11. Name the transport Minister, who has emerged as the country's new Prime Minister of Turkey?
12. Which organization has made it mandatory for Participatory note (P note) users to follow Indian anti-money laundering law and report any suspicious transactions immediately recently?
13. The Union Minister of Health and Family Welfare J P Nadda has launched the Centre for Environmental Health in?
14. How many Railway stations in the country are planned to have high speed public Wi-Fi service by the end of this year
15. A two day International Buddhist conference has begun in which of the following country?
16. Name the country with which India has signed the Double Taxation Avoidance Convention recently?
17. Which of the following state government has launched "Smart Village" program on the occasion of completion of two years of her/his Government?
18. Which team/club has clinched the Federation Cup title for the 14th time?
19. Who was unanimously elected BCCI President?
20. The oldest living Olympic champion _____ who was a member of Hungary's gold-medal winning waterpolo team at the 1936 Games, has died aged 102 recently.
21. Prime Minister Narendra Modi has left for Iran on a two day visit. Who is the present president of Iran?
22. India growth path in 2016-2017 according Standard and Poor's (S&P) Global Ratings will be?
23. Who is the Lieutenant Governor of Puducherry?
24. QIBs stands for?
25. After the prohibition of any type of liquor, which state government decided to prohibit the distribution, manufacture, storage, distribution, consumption, transportation, display or the sale of any type of 'gutka' and pan masala?
26. India and Iran signed how many MoU and agreements in various areas including building and operating the Chabahar port by India?
27. Which country has successfully launched its maiden indigenous winged Reusable Launch Vehicle (RLV) recently?
28. AIADMK Supremo _____ has been sworn in as the Chief Minister of Tamil Nadu?
29. Name the person who has won the Palme d'Or at Cannes Film Festival for his/her film "I"?
30. India's ace cueist Pankaj Advani has created history by clinching the Asian 6-Red Snooker title. It was held in?
31. Name the former Finance Secretary who was appointed as Principal Adviser (Social Sector) in NITI Aayog for 3-years?

32. Name the country with which India has signed 4 MoUs on defence cooperation during the visit of Indian Defence Minister Manohar Parrikar?
33. NEET stands for?
34. Which of the following state cabinet approved an ordinance to conduct fresh Zilla Parishad and Panchayat Samiti elections, if two-thirds of the total candidates are not elected recently?
35. Name the Indian Aluminium company which has signed the MoU with Iran IMIDRO to set up smelter plant in Chabahar.
36. F45 India, Australia based functional training system for fitness, has announced the appointment of former Australian cricketer _____ as brand ambassador for the country.
37. Union Communications and Information Technology Minister Ravi Shankar Prasad has stated that the India Post's payments bank will start functioning from?
38. Which of the following place has opened the world's first functioning 3D-printed office building?
39. Which company has named Kunal Shah as chairman, and Govind Rajan as Chief Executive Officer recently?
40. Name the company which has commissioned the first 800 MW super critical thermal unit in Raichur district of Karnataka.
41. Biochemical engineer, Frances Arnold has won the Millennium Technology Prize for her work 'directed evolution' in Finland. She belongs to which country?
42. The government has approved first ever policy for the country's capital goods sector envisaging creation of over 21 million new jobs by?
43. CPI(M) leader Pinarayi Vijayan took oath as _____ Chief Minister of Kerala recently?
44. Who was newly elected MLA of the All India Anna Dravida Munnetra Kazhagam (AIADMK) in the new Tamil Nadu Assembly has passed away in a private hospital in Bibikulam in Madurai recently?
45. The World leaders begin two days of G7 talks with the deteriorating global economy, terrorism and refugees crisis, at which place?
46. Saudi Arabia based Islamic Development Bank has announced to open its first branch in which state/UT of India?
47. The Union Cabinet has given ex-post facto approval to the MoU between Indian and _____ for promoting sustainable, stable and low-carbon thermal power development in India recently.
48. Eurozone finance ministers have reached a deal with Greece to start debt relief for the country as demanded by the International Monetary Fund, and to release a bailout fund of?
49. Government has enforced the decision of retirement fund body _____ to almost double the maximum sum assured under its insurance scheme from 3.6 lakh to 6 lakh rupees. It will benefit around four crore subscribers.

ANSWERS:

- | | | |
|---------------------------------|--|------------------|
| 1. Odisha | 17. Gujarat | 34. Maharashtra |
| 2. Khadga Prasad Sharma Oli | 18. Mohun Bagan | 35. NALCO |
| 3. Karnataka | 19. Anurag Thakur | 36. Brett Lee |
| 4. 2050 | 20. Sandor Tarics | 37. March 2017 |
| 5. Hyderabad | 21. Hassan Rouhani | 38. Dubai, UAE |
| 6. Patricia Espinosa Cantellano | 22. 7.9 Per cent | 39. Freecharge |
| 7. Royal Bank of Scotland | 23. Kiran Bedi | 40. BHEL |
| 8. Punjab National Bank | 24. Qualified institutional buyers | 41. USA |
| 9. Sarbanand Sonowal | 25. Bihar | 42. 2025 |
| 10. ROANU | 26. 12 | 43. 12th |
| 11. Binali Yildirim | 27. India | 44. SM Seenivel |
| 12. SEBI | 28. Ms J Jayalalithaa | 45. Japan |
| 13. New Delhi | 29. Ken Loach | 46. Gujarat |
| 14. 100 | 30. Abu Dhabi | 47. Japan |
| 15. Nepal | 31. Ratan P Watal | 48. 10.3bn euros |
| 16. Slovenia | 32. Oman | 49. EPFO |
| | 33. National Eligibility cum Entrance Test | |

MAY LAST WEEK

1. Spiritual leader and Isha Foundation founder Sadhguru _____ will lead a yoga session at the UN on the occasion of the second International Yoga Day next month.
2. The Centre has announced how much package for Kerala on the occasion of the Narendra Modi government's second anniversary in office?
3. Ministry of Power in collaboration with the United States Agency for International Development (USAID) launched India's first integrated web portal designed to promote and mainstream Net Zero Energy Buildings (NZEB) in India. The portal are?
4. Name the Indian woman author who has won the Scholastic Asian Book Award recently?
5. Name the first private-sector bank to open a dedicated branch for start-ups in Bengaluru last month, will launch an Entrepreneur-in-Residence (EIR) programme for fintech start-ups in the next 9-12 months recently?
6. Who has been re-appointed as Managing Director of automobile manufacturing company Ashok Leyland?
7. Which of the following company has won the Java copyright case versus Oracle?
8. The mortgage lender HDFC Ltd has been ranked among the world's top ten biggest and most powerful companies in the consumer financial services sector on a Forbes list. The list is topped by global major American Express while HDFC is ranked?
9. Five Graduates received the 2016 Harvard Business School Alumni Achievement Award. They are W. James McNerney Jr., Mary Callahan Erdoes, Thomas J. Tierney, Alan F. Horn and?
10. India and which country have signed a pact to boost horticultural research in a bid to develop and deploy modern tools of plant biotechnology to improve crop productivity with a funding commitment of up to \$ 6 million over a period of three years?
11. Senior Congress leader and former Union Minister V Narayanasamy was unanimously elected Legislature Party leader and is all set to become the _____ Chief Minister of Puducherry.
12. Name the IT services and solutions giant, which is all set to acquire UK based Target Group to strengthen its BFSI portfolio.
13. Prime Minister Narendra Modi has flagged off, the first ever direct train between Kamakhya in which of the following state to Katra – Vaishno Devi in Jammu & Kashmir that will connect the two pilgrim towns of Devi Peeth of Maa Kamakhya and Shri Mata Vaishno Devi shrine?
14. The US President Barack Obama has become the first incumbent US president to visit the site of the Hiroshima atomic bombing. Hiroshima located at which of the following country?
15. India, the world's third largest steel producer was among the top 10 importers of the alloy last year as per the latest data by the global industry body World Steel Association (WSA). According to the WSA data, top importer is?
16. Who is appointed as India's head coach for Zimbabwe tour?
17. Who got player of the series in IPL 2016?
18. Urban Development Ministry has notified the Fare Fixation Committee for recommending the passenger fares for Delhi Metro network in Delhi and National Capital Region. The Committee will be headed by?
19. Public sector company NBCC(India) is set to kickstart projects aimed at cleaning the Ganga in?
20. On the eve of World No Tobacco Day, which of the following state government banned smoking in all public transport vehicles?
21. Three-time world champion _____ of Mercedes has won the Formula One season Monaco Grand Prix for the first time.
22. Which state has launched two state-wide campaigns against malnutrition at Ahwa town in Dangs district?
23. The Indian Railways has conducted the first trial run of Spanish train _____ between Bareilly and Moradabad in Uttar Pradesh as part of its strategy to increase the speed of trains.
24. Name the veteran film and television actor who has passed away in Mumbai recently?
25. Which of the following bollywood star has become the goodwill ambassador of LEPROA India organization that fight against diseases like leprosy and tuberculosis?
26. Having made a string of technology investments in India, Japanese telecom and Internet giant SoftBank has said it's investments in the country will top \$10 billion in 5-10 years. Who is the founder and current chief executive officer of SoftBank?
27. Who took over as the Chief of Naval Staff?
28. Which of the following player became the first English cricketer to reach the 10,000 runs milestone in Test cricket during the second Test against Sri Lanka at Chester-le-Street recently?

29. Who has been designated as the Finance Secretary by the Appointments Committee of Cabinet(ACC) headed by PM Narendra Modi recently?
30. WHO's slogan for this year's (2016) World No Tobacco Day is?
31. Former Lok Sabha MP from Odisha and senior BJP leader _____ has passed away at a hospital in Bhubaneswar recently.
32. The Indian economy recorded a strong growth of how much in the fourth quarter of the 2015-16 fiscal?
33. Government approved extending retirement age of doctors of Central Health Services to _____ years with effect from?
34. India and which of the following country signed Memorandum of Understanding in the fields of cultural exchange and training of professionals recently?
35. Reserve Bank has allowed which of the following private sector bank to raise foreign shareholding to up to 62 percent, from the earlier limit of 49 percent?
36. The UN children's agency, UNICEF, has decided to scale up operations in which of the following country to support twenty two thousand migrant children?
37. Sri Lanka seamer _____ has announced his retirement from Tests to focus on limited-overs cricket recently.
38. Name the Bollywood comedian who has passed away recently.
39. The New Development Bank of the BRICS countries is set to issue its first yuan-denominated bonds. Where is the HQ of NDB?
40. Name the company which has introduced 'No Cost EMI' option to make online shopping affordable for high end purchases.
41. Asia's largest tech trade show Computex has started at which of the following countries recently?
42. Which government launched a mobile app(DVAT M SEWA) through which city traders can register themselves with the VAT?
43. Which Indian company will invest \$16 million(about 108 crore) in US start-up San Diego-headquartered NetraDyne Inc?
44. The national policy for the micro, small and medium enterprises (MSMEs) is expected to be released by the end of this year. Committee headed by former Cabinet Secretary?
45. Seventeen years after construction crews started boring beneath the world's longest, deepest tunnel officially opened in?
46. India's growth rate is expected to hover near how much this year according to OECD?
47. Which of the following state celebrated its second statehood day recently?
48. United Nations Security Council's condemn failed andconducted three ballistic missile tests recently.

ANSWERS:

- | | | |
|------------------------|-----------------------------------|----------------------|
| 1. Jaggi Vasudev | 17. Virat Kohli | 34. Morocco |
| 2. 1,000 Crore | 18. M L Mehta | 35. Axis Bank |
| 3. www.nzeb.in | 19. Bihar | 36. Greece |
| 4. Aditi Krishnakumar | 20. Assam | 37. Nuwan Kulasekara |
| 5. RBL Bank Ltd | 21. Lewis Hamilton | 38. Razzak Khan |
| 6. Vinod Kumar Dasari | 22. Gujarat | 39. Shanghai, China |
| 7. Google | 23. Talgo | 40. Flipkart |
| 8. 7th | 24. Suresh Chatwal | 41. Taiwan |
| 9. Sunil Bharti Mittal | 25. R Madhavan | 42. Delhi |
| 10. Australia | 26. Masayoshi Son | 43. RIL |
| 11. 10th | 27. Sunil Lanba | 44. Prabhat Kumar |
| 12. Tech Mahindra | 28. Alastair Cook | 45. Switzerland |
| 13. Assam | 29. Ashok Lavasa | 46. 7.5% |
| 14. Japan | 30. Get ready for plain packaging | 47. Telangana |
| 15. European Union | 31. Rudra Madhab Ray | 48. North Korea |
| 16. Sanjay Bangar | 32. 7.9 percent | |
| | 33. 65 | |

Twisted Ones Reasoning

Directions (1-6): Study the following information carefully and answer the questions given below:

Ten persons John, Krish, Leon, Monty, Nathan, Pihu, Queen, Rehan, 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. Pihu 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 Monty, 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.

- Who among the following likes Cola ?
(a) Rehan (b) Tret (c) Pihu
(d) Smith (e) None of the above
- Who among the following sit at the extreme ends of the row and are facing south?
(a) Monty, Nathan (b) Smith, Leon (c) Tret, Nathan
(d) Rehan, Tret (e) None of the above
- How many persons sit between Monty and Nathan?
(a) One (b) Two (c) Three
(d) Can't be determined (e) None of the above
- Krish likes which of the following soft drinks?
(a) Fanta (b) 7up (c) Cola
(d) Maaza (e) None of the above
- Which of the following statements is/are true?
(a) Rehan likes Cola and sits at one of the ends of the row.
(b) Pihu 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 the above
- Four of the following five are alike in a certain way and hence form a group. Which is the one that does not belong to that group?
(a) Rehan, Queen (b) Nathan, Leon (c) Monty, Krish
(d) Tret, Smith (e) Smith, Leon

Directions (7-12): Study the information and answer the given questions:

Seven people Johnny Depp, Al Pacino, Robert Niro, Kevin Spacey, Brad Pitt, Russell Crowe and Tom Hank live on separate

floors of a 7-floor building. Ground floor is numbered 1, first floor is numbered 2 and so on until the topmost floor is numbered 7. Each one of these is travelling to a different city, viz Delhi, Manchester, Paris, Corsica, Kansas, Brussels and London but not necessarily in the same order.

Only three people live above the floor on which Johnny Depp lives. Only one person lives between Johnny Depp and the one travelling to Brussels. Russell Crowe lives immediately below the one travelling to Manchester. The one travelling to Manchester lives on an even numbered floor. Only three people live between the ones travelling to Brussels and Paris. Brad Pitt lives immediately above Robert Niro. Brad Pitt is not travelling to Paris. Only two people live between Al Pacino and the one travelling to Kansas. The one travelling to Kansas lives below the floor on which Al Pacino lives. The one travelling to Delhi does not live immediately above or immediately below Al Pacino. Kevin Spacey does not live immediately above or immediately below Johnny Depp. Tom Hank does not travel to Corsica.

- Which of the following is true with respect to Tom Hank as per the given information?
(a) The one who lives immediately below Tom Hank is travelling to Manchester
(b) Tom Hank lives one floor number 7.
(c) Tom Hank lives immediately below Brad Pitt.
(d) Tom Hank lives on the lowermost floor.
(e) Tom Hank is travelling to Brussels.
- Who among the following lives on floor number 3?
(a) The one travelling to Corsica
(b) The one travelling to Kansas (c) Robert Niro
(d) Tom Hank (e) Brad Pitt
- Who lives on the floor immediately above Brad Pitt?
(a) Johnny Depp (b) Al Pacino (c) Kevin Spacey
(d) Tom Hank (e) Russell Crowe
- To which of the following cities is Kevin Spacey travelling?
(a) Manchester (b) Brussels (c) Paris
(d) Kansas (e) Corsica
- How many people live between the floors on which Kevin Spacey and the one travelling to Manchester live?
(a) None (b) Two (c) One
(d) More than three (e) Three
- Who among the following lives on floor number 6?
(a) The one travelling to Corsica
(b) The one travelling to Kansas
(c) Robert Niro (d) Tom Hank (e) Al Pacino

Directions (13-15): 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.)

13. Statement :

Some Album is Apple. All Apple are Aero.
All Aero are Ass. No Ass is a Aim.

Conclusion:

- (a) All Aim being Album is a possibility.
- (b) No Aim is an Aero.
- (c) All Albums being Aim is a possibility.
- (d) All Apple are Ass. (e) No Apple is a Aim.

14. Statement :

All Men are Money. All Members are Men.
All Mango are Member. No Money is a Monk.

Conclusion:

- (a) No Men is a Monk. (b) All Mango are Money.
- (c) No Member is a Monk.
- (d) All Monk being Mango is a possibility.
- (e) At least some Money are Member.

15. Statement :

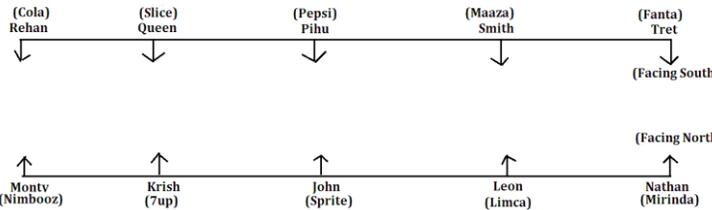
Some Nest are Noise. All Nest are Nine.
All Noise are Neon. No Neon is a Not.

nConclusion:

- (a) All Not being Nine is a possibility.
- (b) No Nine is a Noise.
- (c) No Not is a Noise.
- (d) At least some Nest are Neon.
- (e) At least some Nine are Neon.

Solutions

Directions (1-6):



- 1. (a)
- 2. (d)
- 3. (c)
- 4. (b)
- 5. (d)
- 6. (e)

Directions (7-12):

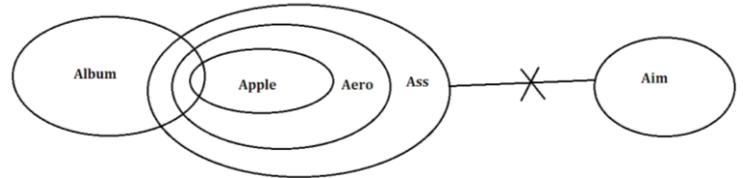
Floor	People	City
7	Kevin Spacy	Corsica
6	Al Pacino	Paris
5	Tom Hank	London
4	Johnny Depp	Manchester
3	Russell Crowne	Kansas

2	Brad Pitt	Brussels
1	Robert Niro	Delhi

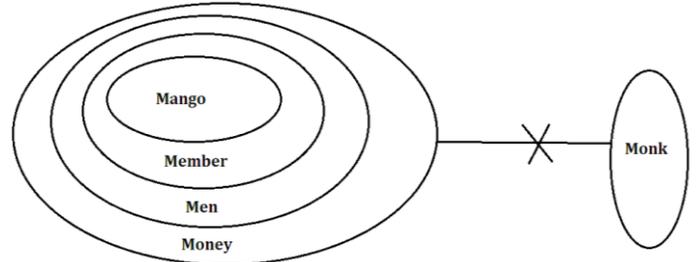
- 7. (a)
- 8. (b)
- 9. (e)
- 10. (e)
- 11. (b)
- 12. (e)

Directions (13-15):

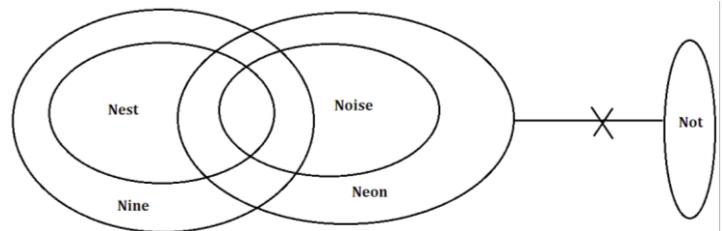
13. (c)



14. (d)



15. (b)



Twisted Ones Quantitative Aptitude

Directions (1-5): Study the given table carefully to answer the given questions.

The proportion of female employees and the proportion of post graduates in a Bank are given. The bank has a total of 1500 employees. 70% of them are on the Clerical post and rest are equally divided as PO and SO.

Post	Female	Post Graduates
clerical	0.80	-
PO	0.60	0.40
SO	-	0.80
Total	0.75	0.45

- What percent of employees posted as clerk are post graduates?
(a) 41.50% (b) 42.85% (c) 43.65%
(d) 44.75% (e) None of these
- What is the percentage of total employees posted as SO in the bank are females?
(a) 33.34% (b) 66.67% (c) 52.89%
(d) 65% (e) 61.25%
- 30% employees posted as Clerk who are post graduates are females. What is the difference between the number of male post graduates and female employee who are not post graduates?
(a) 670 (b) 705 (c) 650
(d) 750 (e) Cannot be determined
- The difference between the number of post graduates who are clerks and post graduates who are PO?
(a) 350 (b) 450 (c) 460
(d) 360 (e) 400
- What is the ratio of total number of post graduates employees posted as Clerk to the total number of female employees posted as SO in the bank?
(a) 1:2 (b) 1:3 (c) 3:1
(d) 2:3 (e) 3:2
- A train A leaves Delhi at 6 AM and reaches Jaipur at 10 AM. Another train B leaves Jaipur at 8 AM and reaches Delhi at 11:30 AM. At what time do the two trains cross each other?
(a) 8:36 am (b) 8:30 am (c) 8:00 am
(d) 8:16 am (e) Cannot be determined
- In an election between two candidates, 75% of the voters cast their votes, out of which 4% of the votes were declared invalid. The candidate who won the election got 450 votes more than the candidate who lost the election. The ratio of votes of winner and loser is 3:2. Find the total number of votes enrolled in that election.
(a) 3100 (b) 2250 (c) 3200
(d) 3225 (e) 3125
- In an examination, 80% of students passed in English, 85% in Mathematics and 75% in both English and Mathematics. If 40 students failed in both the subjects, find the total number of students.
(a) 500 (b) 200 (c) 400
(d) 300 (e) 450
- A dishonest dealer professes to sell his goods at cost price. But he uses a false weight and thus gains $6\frac{18}{47}\%$. For a kg, he uses a weight of:
(a) 940 gms (b) 947 gms (c) 953 gms
(d) 960 gms (e) 990 gms
- Three containers have their volumes in the ratio 3 : 4 : 5. They are full of mixtures of milk and water. The mixtures contain milk and water in the ratio of (4 : 1), (3 : 1) and (5 : 2) respectively. The contents of all these three containers are poured into a fourth container. The ratio of milk and water in the fourth container is:
(a) 4 : 1 (b) 151 : 48 (c) 157 : 53
(d) 5 : 2 (e) 157 : 153

Solutions:

Answer (1-5)

Post	Total	Female	Post Graduates
clerical	1050	840	450
PO	225	135	90
SO	225	150	135
Total	1500	1125	675

- (b); Required Percentage = $450/1050 * 100 = 42.85\%$
- (b); Required Percentage = $150/225 * 100 = 66.67\%$
- (a); Females who are post graduates = 30% of 450 = 135
Males who are post graduates = 450 – 135 = 315

Female who are not post graduates = $840 - 135 = 705$

Required difference = $705 - 315 = 670$

4. (d); Required difference = $450 - 90 = 360$
 5. (c); Required Ratio = $450:150 = 3:1$
 6. (a); Let the distance between Delhi and Jaipur be x km and let the trains meet y hours after 8 am
 Clearly, A covers x km in 4 hrs and B covers x km in $(7/2)$ hrs.

\therefore Speed of A = $x/4$ Kmph, Speed of B = $2x/7$ Kmph

Distance covered by A in $(y+2)$ hrs + Distance covered by B in y hrs = x

$$\therefore \frac{x}{4}(y+2) + \frac{2x}{7} * y = x$$

$$\frac{y+2}{4} + \frac{2y}{7} = 1$$

$$y = \frac{14}{15} \text{ hrs} = 56 \text{ mins}$$

Hence, the train meets at 8:56 am

7. (e); Let the winner got '3x' votes and loser got '2x' votes
 So, $3x - 2x = 450$

$$x = 450$$

\therefore the winner got 1350 votes and loser got 900 votes

\therefore 75% of 96% of Total votes enrolled by = $1350 + 900$

$$\Leftrightarrow \left(\frac{75}{100} \times \frac{96}{100} \times x\right) = 2250 \Leftrightarrow x = \left(\frac{2250 \times 100 \times 100}{75 \times 96}\right) =$$

$$3125$$

8. (c) Let the total number of students be x .
 Let A and B represent the sets of students who passed in English and Mathematics respectively.

Then, number of students passed in one or both the subjects

$$= n(A \cup B) = n(A) + n(B) - n(A \cap B) = 80\% \text{ of } x + 85\% \text{ of } x - 75\% \text{ of } x$$

$$= \left(\frac{80}{100}x + \frac{85}{100}x - \frac{75}{100}x\right) = \frac{90}{100}x = \frac{9}{10}x.$$

$$\therefore \text{Students who failed in both the subjects} = \left(x - \frac{9x}{10}\right) = \frac{x}{10}.$$

So, $\frac{x}{10} = 40$ or $x = 400$. Hence total number of students = 400.

9. (a); Let error = x gms. Then, $\frac{x}{1000-x} \times 100 = 6\frac{18}{47} \Leftrightarrow$

$$\frac{100x}{1000-x} = \frac{300}{47}$$

$$\Leftrightarrow 47x = 3(1000-x) \Leftrightarrow 50x = 3000 \Leftrightarrow x = 60.$$

\therefore Weight used = $(1000 - 60) = 940$ gms.

10. (c); Let the three containers contain $3x$, $4x$ and $5x$ litres of mixtures respectively.

$$\text{Milk in 1st mixture} = \left(3x \times \frac{4}{5}\right) \text{ litres} = \frac{12x}{5} \text{ litres.}$$

$$\text{Water in 1st mixture} = \left(3x - \frac{12x}{5}\right) \text{ litres} = \frac{3x}{5} \text{ litres.}$$

$$\text{Milk in 2nd mixture} = \left(4x \times \frac{3}{4}\right) \text{ litres} = 3x \text{ litres.}$$

$$\text{Water in 2nd mixture} = (4x - 3x) \text{ litres} = x \text{ litres.}$$

$$\text{Milk in 3rd mixture} = \left(5x \times \frac{5}{7}\right) \text{ litres} = \frac{25x}{7} \text{ litres.}$$

$$\text{Water in 3rd mixture} = \left(5x - \frac{25x}{7}\right) \text{ litres} = \frac{10x}{7} \text{ litres.}$$

$$\text{Total milk in final mixture} = \left(\frac{12x}{5} + 3x + \frac{25x}{7}\right) \text{ litres} = \frac{314x}{35} \text{ litres.}$$

$$\text{Total water in final mixture} = \left(\frac{3x}{5} + x + \frac{10x}{7}\right) \text{ litres} = \frac{106x}{35} \text{ litres.}$$

$$\text{Required ratio of milk and water} = \frac{314x}{35} : \frac{106x}{35} = 157 : 53.$$

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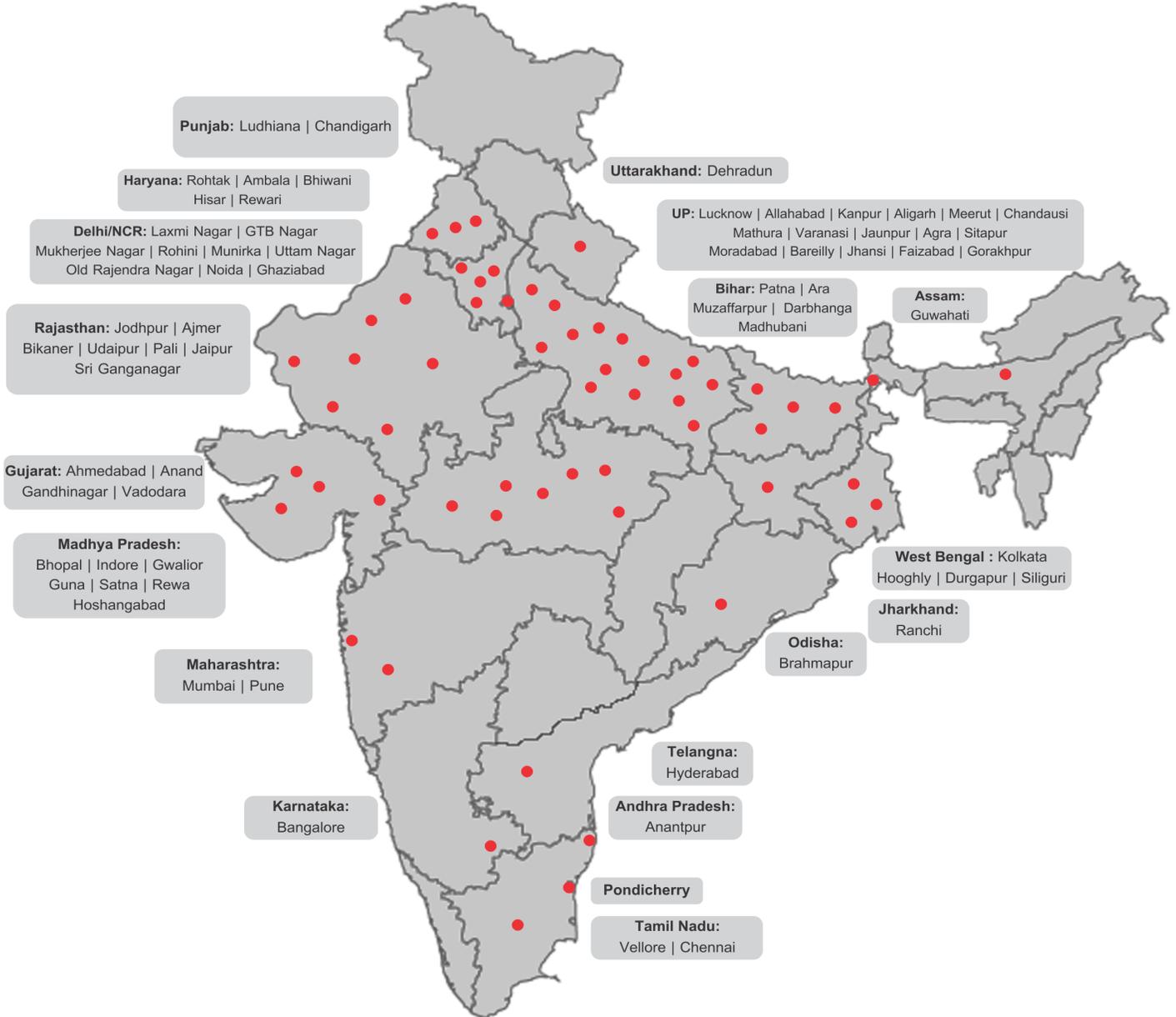
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Twisted Ones English Language

Directions (1-10): In the following passage, , some of the words have been left out. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given.

China, the second largest pharmaceutical market in the world after US, is (1) Indian drug companies to set up greenfield operations in that country. To roll out the red carpet, the local government has decided on a (2) of incentives like tax (3) and ready availability of resources like infrastructure and manpower at competitive costs. Last week, top level (4) from the People's government of Hainan province visited Mumbai and met representatives from the Indian (5) industry like Sun Pharma and Centaur to brief them about the (6) to (7) in investments. The (8) proposed by the Chinese side apply to manufacturing as well as research organisations. The government at Hainan is (9) out series of incentives for accelerating industrial development. Industrial incentives include tax subsidy and equipment cost .

- | | | |
|----------------------|----------------------|------------------|
| 1. A. deter | B. put off | C. disenchanting |
| D. luring | E. None of the above | |
| 2. A. value | B. spectrum | C. radius |
| D. series | E. None of the above | |
| 3. A. benefits | B. detriment | C. disadvantage |
| D. drawback | E. None of the above | |
| 4. A. set off | B. redeem | C. reverberate |
| D. delegates | E. None of the above | |
| 5. A. pharmaceutical | B. medicinal | C. opiate |
| D. depressant | E. None of the above | |
| 6. A. policy | B. procedure | C. sops |
| D. appropriate | E. None of the above | |
| 7. A. rescue | B. benefit | C. rope |
| D. improve | E. None of the above | |
| 8. A. constraints | B. restraints | C. curbs |
| D. incentives | E. None of the above | |
| 9. A. withhold | B. doling | C. retain |
| D. disallow | E. None of the above | |
| 10. A. accelerating | B. impeding | C. stemming |
| D. lessening | E. None of the above | |

Answers:

- D. luring (luring means An attraction or appeal)
- B. spectrum (spectrum is used to classify something in terms of its position on a scale between two extreme points)
- A. benefits (benefits means receive an advantage according to the passage)
- D. delegates (delegates means authorize to do something as a representative)
- A. pharmaceutical (pharmaceutical means a compound manufactured for use as a medicinal drug)
- C. sops (sops means is a set of written instructions that document a routine or repetitive activity which is followed by employees in an organization)
- C. rope (rope means any rescue attempt)
- D. incentives (incentives means a payment or concession to stimulate greater output or investment.)
- B. doling (doling means distribute shares of something)
- A. accelerating (accelerating means increase in rate, amount, or extent)

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PASSAGE-1

Directions (1-10): Read the following passage carefully and answer the questions. Certain words/ phrases are given in bold to help you locate them while answering some of the questions.

If India were to look for a new symbol that would be a representative of what the country stands for today, after Tuesday's great show, it is highly likely that the many-**splendored** thing, furred and unfurred with much flourish across the world — the yoga mat — would be a serious contender.

On the second International Yoga Day, the skid-free fluorescent mat became a motif of sorts, heralding a new world order of people willing to go out on to the streets, twist themselves into incredible poses, while holding their noses to regulate breath. A world that is willing to celebrate yoga, or the many versions of it anyhow. Suddenly, it is the in-thing to do; the Jane Fonda aerobics video of today, it's callisthenics with lurid leotards done in physical training period in school. And with a day's careful **orchestration**, it tends to seem exaggerated, a little fantastic, maybe like a performance, but that is not to take away from the actual benefits of doing yoga, consistently and systematically.

When Prime Minister Narendra Modi made his pitch to the United Nations General Assembly to adopt the day of summer solstice as International Yoga Day, he said: "Yoga is an invaluable gift of India's ancient tradition. It **embodies** unity of mind and body; thought and action; restraint and fulfilment; harmony between man and nature; a holistic approach to health and well-being." He went on to emphasise that the core of the philosophy behind yoga, as outlined in Patanjali's Yogasutra, was not just about exercise, but to discover the sense of oneness with yourself, the world and nature. "By changing our lifestyle and creating consciousness, it can help us deal with climate change," he added.

Yoga does mean many things for many people: for some it is exercise, it's a tool for wellness, it's a routine; for others it is a spiritual calling, a way of life, and for very few, it actually is therapy. While modern medicine seems to have reconciled its once stiff-backed opposition to yoga's role in health care, there remains the reluctance to harness it as therapeutic intervention, even as a supplement. **By and large**, in its acceptance yoga remains on the side of 'wellness', seldom crossing the Rubicon on to the far lands of 'treatment'. The messiahs of modern medicine, with their demanding touchstone of scientific validation for ancient systems of medicine, say there still is insufficient conclusive empirical evidence to show the beneficial effects of using yoga as therapy.

E.S. Krishnamoorthy, Chennai-based senior neuropsychiatrist, says there is some research of the benefits of

practising yoga in certain categories of patients with certain specific ailments. He has set up "integrative therapy clinics" (Trimed) across the city that claim to combine modern medicine with ancient wisdom, ensuring that the latter is scientifically validated for use.

"The autonomic nervous system, which controls key bodily functions, seems most **amenable** to yoga-based intervention," he explains. Yoga helps with restoring posture and balance, having a soothing effect on anxiety and mood. "There is also empirical research that it helps control symptoms of asthma and epilepsy," he says.

"It has been proved that yoga has beneficial effects on the cardiovascular system and regulating blood pressure," says V. Mohan, founder, Dr. Mohan's Diabetes Specialities Centre. "From a metabolism point of view, yoga is different from other kinds of exercise. When you do cardio, for instance, your heart rate increases, hormone secretion increases, the adrenalin gets going — leaving you in a hyper state. On the other hand, when someone does yoga, we notice what we call cellular silence. It puts the system in a rhythm and all vital parameters, including blood pressure, heart rate, pulse rate, and blood sugar are stabilised. However, even here, empirical proof of yoga's impact on lowering blood sugar in a diabetic is only just emerging."

But the problem, Dr. Krishnamoorthy adds, is also with methodology: when you subject these traditional systems to modern research methods, they end up not holding up. "We use methods that are usually employed to validate pharmacological interventions [which forms the bulk of modern medicine] to evaluate non-pharmacological techniques."

"Now, there are a few people trying to do things differently. For instance, at the Mayo Clinic [in the U.S.], yoga was used as one of a bunch of interventions including tai chi and dance therapy in a programme for patients with dementia," he says. Published research on a pilot study conducted at the clinic indicates that such therapy could improve quality of life, cognitive and physical functions, better than 'usual care'.

Another key hurdle might lie, ironically, in what is perceived as a strong point, traditionally — the many styles, variations and practitioners of yoga. Dr. Krishnamoorthy points out that there is no protocol for yoga postures or techniques, and this lacuna renders scientific validation difficult, if not impossible.

Meanwhile, yoga has a poster boy in the Indian Prime Minister, who, in televised relays, seems to be capable of great liveness in executing asanas. On International Yoga Day, he urged all practitioners of yoga to focus on diabetes prevention, again, pushing the agenda into the realm of 'wellness'. It remains to be seen if the Indian government, with the faith it has in the ability of yoga to achieve unity of mind, body, thought and action,

will ramp up its promotion of yoga, with adequate scientific proof, to a viable form of supportive therapy.

Until then, draw comfort from watching a sea of vividly colourful yoga mats take over the world. **Source- The Hindu, Delhi edition (June 22, 2016)**

- According to the given passage, Why did Mr. Modi emphasise that yoga is not just about the exercise?
 - It combines modern medicine with ancient wisdom.
 - It helps with restoring posture and balance, having soothing effect on anxiety and mood.
 - It helps to discover the sense of oneness with yourself, the world and nature.
 - It guides your body's healing in your mind's eye.
 - None of the above.
- According to the given passage, Why is there not a sufficient evidence to show the beneficial effects of using Yoga as a therapy?
 - Many styles, variations and practitioners of Yoga.
 - There is no protocol for Yoga postures or techniques.
 - Problem with methodology.
 - Only (i)
 - Only (ii)
 - Only (iii)
 - Both (i) and (ii)
 - All (i), (ii) and (iii)
- What, according to the passage, is a new symbol of India that would be a representative of what the country stands for today?
 - Patanjali
 - Bullet train
 - Yoga
 - Modern medicine
 - None of the above
- Which of the following statement is true according to the given passage?
 - Yoga is a holistic approach to health and well-being.
 - Yoga is an invaluable gift of India's modern tradition.
 - Yoga does many things for many people in different ways.
 - Only (i)
 - Only (ii)
 - Only (iii)
 - Both (i) and (iii)
 - All (i), (ii) and (iii)
- Which of the following is not the benefit of doing Yoga in context of the passage?
 - It has a soothing effect on anxiety and mood.
 - It puts the system in a rhythm and all vital parameters, including blood pressure, heart rate, pulse rate etc.
 - It could improve quality of life, cognitive and physical functions.
 - It lowers blood sugar in diabetic patients.
 - None of the above.

Directions (6-8): Choose the word which is the same in meaning as the word given in bold as used in the passage.

6. By and large

- Apparently
- Intentionally
- Mostly
- Superstitiously
- Irrationally

7. Embodies

- Conceals
- Obscures
- Disintegrates
- Disembodies
- Incorporates

8. Orchestration

- Incarnation
- Illustration
- Coordination
- Division
- Dispersion

Directions (9-10): Choose the word which is the same in meaning as the word given in bold as used in the passage.

9. Splendored

- Protected
- Devastated
- Snatched
- Salvaged
- Ignorance

10. Amenable

- Agreeable
- Persuadable
- Influenceable
- Resistant
- Adoptable

PASSAGE-2

Directions (11-20): Read the following passage carefully and answer the questions given below it. Certain words/ phrases are printed in bold to help you to locate them while answering some of the questions.

One of the objectives of the "Make in India" program is to improve and protect the Indian intellectual property (IP) regime. The steps envisaged to achieve this objective include increased posts in IP offices, e-filing facilities, major fee reduction for Micro, Small and Medium Enterprises, holding awareness programs etc. A less discussed IP right in this context is 'geographical indications' (GIs), a right aptly described as "**sleeping beauty**" (as it was in slumber till the advent of the Trade-Related Aspects of Intellectual Property Rights Agreement) in the mid-1990s by Florent Gevers, a renowned European IP lawyer. GIs indicate goods as originating in a specific geographical region, the characteristics, qualities or reputation thereof essentially attributable to such region. Scotch whisky, produced only in certain regions of Scotland in accordance with regulations, is an example. GI-branded goods possess a recall value amongst consumers who essentially **attribute** these characteristics, qualities or reputation to such geographical origin. GIs support and protect local production (as opposed to global production), generate local employment and are mostly untouched by industrialization, originating in villages or small towns. Since consistent quality is a must in GI-branded goods, and often cements itself as a consumer recollection point, producers are expected to diligently follow specific production methods. Champagne, cognac and Parma ham are some European names that started humble lives decades ago and became the icons that they are today owing to such quality control and perseverance. Many European GIs have also successfully built up ancillary industries like tourism and lodging in the respective regions, enabling visitors to get a first-hand experience of the manufacturing process and absorb the history thereof. Such **ancillary** industries also create local employment and aid in the socio-economic development of the region in the long run. Complying with World Trade Organization obligations, India enacted the Geographical Indications of Goods (Registration &

Protection) Act, 1999 (GI Act) and has set up a registry in Chennai to register such names.

With emphasis laid on innovation, new initiatives and robust infrastructure, IP rights like patents, designs and trademarks can prima facie find a place in the Make in India program. What about GIs? Despite the gradual rise in GI registrations, the role and scope of GIs in the Make in India program has perhaps remained unnoticed in discussions. Considering that GI-branded goods can be made 100 per cent in India without the need for any foreign direct investment (FDI) and that they can promote socio-economic development of the respective regions (like their European counterparts), GIs are perhaps the most ideal IP rights to foster and realize a program like Make in India.

So why haven't GIs naturally shown themselves up as a potential tool to aid the program? One of the foundations of this initiative is the making of quality products. So, does the legal framework for the protection of GIs in India emphasize the importance of quality products? Europe has always recognized the need to preserve and maintain high quality in such origin-specific goods to preserve this consumer trust, the European law mandates: (i) effective verification and controls at multiple levels in the supply chain, ensuring compliance with product specification before placing it in the market and (ii) market monitoring of the use of the names to ensure legal compliance. . In contrast, India's GI Act does not lay much emphasis on inspection and monitoring mechanisms for GI protection.

Quality associated with geographical origin is the hallmark of a GI and the current legal framework evidently lacks teeth to ensure it. This perhaps explains why one has not heard of many GI success stories in India. The current Indian legal framework for GIs needs to be strengthened to address quality control and consumer expectations by insisting on multi-layered quality control systems as a precondition for registration. Other important issues faced by GI producer bodies are market access and funding for enforcement and marketing. Still a greenhorn in GI protection, India must **hand-hold** producer bodies, look at successful models elsewhere and mould these to suit the ground realities of protection and enforcement in a developing country. Every region in India boasts of many locally produced unique goods and this law, with a few amendments to fill the serious missing gaps described above, coupled with diligent implementation can turn into a magic wand for the Make in India program. **(Source- The Hindu, Delhi edition)**

11. What benefits Geographical indications provide to the nation?
- (1) It plays an important role in developing local production and local employment
 - (2) It leads to urbanization which lift the living standard of people living in that area
 - (3) It provides for authentic and reliable goods
 - (4) GIs branded goods can be made with a little help of FDI

- (a) 1, 2 and 3 (b) 1 and 3 (c) 1, 3 and 4
(d) Only 1 (e) All of these

12. Which of the statement is/are true according to passage?
- (1) GI has been remaining the main concern in Make in India program.
 - (2) Many European GIs failed to establish ancillary industries like Tourism and Lodging
 - (3) Gradual rise in GI registrations brought GI in very serious discussion.
 - (4) India is not reliable on others countries for production of GIs
- (a) 1 and 3 (b) 2, 3 and 4 (c) Only 4
(d) Only 3 and 4 (e) 2 and 4
13. What are the suggestions proposed by the author to make GI more successful?
- (1) Legal framework for GIs needs to be strengthen to address quality control
 - (2) India needs to improve its inspection and monitoring mechanism for GI protection
 - (3) Abolishing all IP rights except GIs in order to fortify the base of GI in the country
 - (4) Liberation on policy for foreign funding in GI sector
- (a) Only 1 and 3 (b) Only 2 (c) Only 2 and 4
(d) Only 1 and 2 (e) 1, 2 and 4
14. Which of the following statement is/are false according to the passage?
- (1) India enacted GI protection act without following WTO rules and regulations
 - (2) GI can help in promoting socio-economic development
 - (3) GI is not a potential tool to aid make in India program due to its dormant activities
 - (4) Bi layer quality control system should be levied as a precondition for registration of GIs
- (a) 1, 2 and 4 (b) 1, 2 and 3 (c) 1 and 4
(d) Only 2 (e) All of these
15. What is the main concern of author in this passage?
- (a) Quality control of GIs in India
 - (b) Unemployment in rural areas due to latent GIs policy
 - (c) European GIs are more successful than that of India
 - (d) The absence of GIs from Make in India program
 - (e) None of these
16. What should be the theme of passage?
- (a) GI- the most ideal IP right (b) Success of GIs in Europe
 - (c) GIs-a countries' key to development
 - (d) Making India GI brand conscious
 - (e) None of these
17. What does the phrase 'Sleeping beauty' means?
- (a) A potential takeover target that has not yet been put in play
 - (b) Effortless move to improve something

- (c) Tool that looks good on prima-face but have odd consequences actually
 (d) A dormant policy that cannot be put in place again.
 (e) None of these

Directions (18-19); Choose the word which is most nearly the **SAME** in meaning to the word printed in bold as used in the passage.

18. Ancillary

- (a) Root (b) Subordinate (c) Prominent
 (d) Lethal (e) Large-scale

19. Attribute

- (a) Credit (b) Depend (c) Indict
 (d) Seek (e) Taint

20. Find the antonym of word 'Hand-hold'

- (a) Adopt (b) Look up (c) Follow
 (d) Keep from (e) Strengthen

ANSWERS:

- (c); It is given in the above passage that the core of the philosophy behind yoga was not just about exercise, but to discover the sense of oneness with yourself, the world and nature. "By changing our lifestyle and creating consciousness, it can help us deal with climate change,". Hence, (c) is the right answer. Also, statement (b) and (d) are the benefits of Yoga and (a) is the characteristic of Yoga.
- (e); It is given in the passage that "We use methods that are usually employed to validate pharmacological interventions to evaluate non-pharmacological techniques." Hence, statement (iii) is true. Also, Dr. Krishnamoorthy points out that there is no protocol for Yoga postures and techniques. Thus, statement (ii) is true. Now there are many styles, variations and practitioners of yoga which also makes validation difficult in providing evidence. Hence, (i) is also true. Hence, (e) is right answer.
- (c); It is given in the passage that "If India were to look for a new symbol that would be a representative of what the country stands for today it is highly likely that the many-splendoured thing, furred and unfurled with much flourish across the world — the yoga mat — would be a serious contender" Hence, (c) is the correct option.
- (d); After thoroughly reading the passage it can be concluded that statement (i) and (iii) both are true. However, statement (iii) is incorrect because yoga is an invaluable gift of India's ancient tradition. Hence, option (d) is correct.
- (d); The passage says "Its (Yoga) empirical proof of yoga's impact on lowering blood sugar in a diabetic is only just emerging." Hence, statement (d) is not the benefit of doing Yoga and thus (d) is right answer.
- (c); **By and large** means on the whole; everything considered. So, mostly is the word which is similar in meaning to it.
- (e); **Embodies** means include or contain (something) as a constituent part. So, incorporates is the word which is similar in meaning to it.

- (c); **Orchestration** means to arrange, organize, or build up for special or maximum effect. So, Coordination is the word which is similar in meaning to it.
- (e); **Splendored** means brilliant or gorgeous appearance. So, ignorance is the word which is opposite in meaning to it.
- (d); **Amenable** means open and responsive to suggestion; easily persuaded or controlled. So, resistant is the word which is opposite in meaning to it.
- (b); It is mention in the passage that GI supports and protects local production. By the statement GS branded goods possess a recall value amongst consumer who credits these characteristics, qualities to such geographical region. It is stated in the passage that GS brand goods can be made without 100 per cent FDI. Urbanization is not mention in the passage. Hence, (b) is the correct answer for the question.
- (c); It is clear from the passage that the role and scope of GIs in make in India program remained unnoticed in discussion. European GIs successfully build up ancillary industries like Tourism and Lodging. Despite the gradual rise in GIs registration scope of GIs was unnoticed and ineffective. GIs brand goods can be made 100 per cent in India without FDI. Hence, only statement (c) and (d) are correct according to the passage.
- (d); GIs should be the most ideal IP right to foster but with other IP rights together. It is clearly inferred from the passage that there is no need of foreign funding in GIs sector. Hence, (d) is the correct answer for the question.
- (c); India enacted GI protection act with complying WTO rules and regulations. (comply-to obey or to follow) GI is less discussed (inactive) during Make In India program. Multilayer quality control system should be insisted as a precondition for registration of GIs. Hence, (c) should be the answer.
- (a); European GIs are just epitomized here in the passage for comparison to India's. So, on comparing all options it is found that author is more concern about option (a)
- (d); On through reading of the passage one can interfere that option (d) is the most appropriate tile of the passage.
- (a); **Sleeping beauty**- a potential tool that can be fruitful but not used due to ignorance Hence option (a) is the correct answer for the phrase
- (b); **Ancillary**- something that is helping or subordinate, but not as necessary
 Subordinate- to treat or regard as of lesser importance than something else, supportive
 Prominent- Salient, necessary, important, root
 Lethal- very harmful or destructive
 Hence 'Subordinate' is the word which is similar in meaning to 'Ancillary'
- (a); **Attribute**- regard something as being caused by; Quality, feature
 Credit- Praise for something; ascribe
 Taint- to slander, to defame
 Indict- to accuse someone

Hence 'Credit' is the word which is similar in meaning to 'Attribute'

20. (d); **Hand-hold** – to support, follow
 Keep from- to abstain, to keep away
 Look up- to improve
 Adopt-to use, to accept

Strengthen- to make strong, to fortify

Hence phrase 'keep from' is the appropriate antonym to word 'Hand-hold'

SSC-CGL (TIER-I) 2016 PRACTICE SET

GENERAL INTELLIGENCE & REASONING

1. Sheela walks from A to B which is 2 km away, turns right at 90° and walks for 3 km to point C, turns right at 90° and walks to D. Which is 8 kms away, turns 90° and goes 3 km to point K. Then once again she turns right, 90° and walks 4 km to point F. How far is it from A to F?
 (a) 2 km (b) 4 km
 (c) 6 km (d) 8 km

Directions : In Question Nos. 2 to 6, select the related word/letters/numbers/figures from the given alternatives

2. Incommunicative : Bigmouthed :: Complementary : ?
 (a) Defamatory (b) Votary
 (c) Joint (d) Supplementary
3. Bismilla Khan : Clarinetist :: Birju Maharaj ?
 (a) Kathak (b) Bharatnatayam
 (c) Music (d) Sitar
4. Pigeon : Peace :: ?
 (a) Crown : Head (b) White Flag : Surrender
 (c) Laurel : Victory (d) War : Independence
5. EVFU : TGSN :: IRJQ : ?
 (a) KWLX (b) PKOL
 (c) OLKP (d) PKLO
6. ZADC : BCFE :: RSFE : ?
 (a) TUEH (b) TUHG
 (c) TOHG (d) TUGH

Directions : In Question Nos. 7 – 10, select the option which is different from other three alternatives.

7. (a) MPSTL (b) DGJM
 (c) JMPS (d) UXAD
8. (a) 206 (b) 125
 (c) 27 (d) 8
9. (a) Copper (b) Bronze
 (c) Gold (d) Silver
10. (a) Author, Poet, Publisher (b) Elephant, Jungle, Deer
 (c) Sun, Moon, Heat (d) Earth, Mars, Jupiter
11. If the water reflection shows time as 6 hours 10 minutes, then the actual time will be
 (a) 6 : 50 (b) 12 : 40
 (c) 12 : 20 (d) 11 : 20
12. Amir is shorter than Sadna. John is taller than Amir. Punit is taller than Sadana, but shorter than Hasan. Sadna is taller

than John. If they all stand in a row in the order of their heights, then who will be in the middle ?

- (a) Amir (b) Sadna
 (c) John (d) Hasan

13. If 'sky' is called 'water', 'water' is called 'green', 'green' is called 'air', 'air' is called 'blue', 'blue' is called 'clouds', 'clouds' is called 'yellow' is called 'earth', where does fish live ?

- (a) Sky (b) Water
 (c) Yellow (d) Green

14. After 12 O'clock, how much time will it take for the hands of the clock to meet again ?

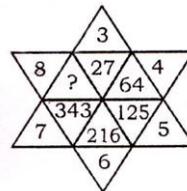
- (a) 1 hour (b) 30 minutes
 (c) 1 hour $5\frac{5}{11}$ minutes (d) 1 hour 5 minutes

15. Ramesh's grandfather used a calendar in 1901, 1907 and 1918, In which year can this calendar be used again?

- (a) Year 1925 (b) Year 1929
 (c) Year 1924 (d) Year 1928

Directions (16-18): Select the missing number from the given responses.

16.

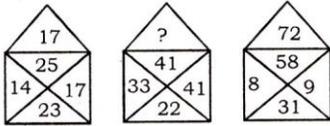


- (a) 512 (b) 612
 (c) 312 (d) 412

17. 3A 5B 4C
 45B ? 28A
 15B 4A 7C
 (a) 10C (b) 15B
 (c) 20C (d) 30A

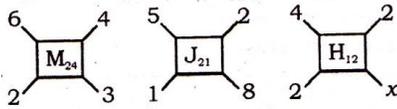
18. Z4 X3 V9
 A6 C2 ?
 T4 R5 P15
 (a) E 12 (b) E10
 (c) G 10 (d) S 10

19.



- (a) 10 (b) 11
(c) 12 (d) 13

20.



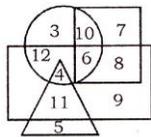
- (a) 1 (b) 2
(c) 3 (d) 4

21. Who are the illiterate females who do not live in the village?

○ Village residents females △ Illiterate

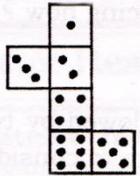
□ Women

□ Staff



- (a) 4 (b) 11
(c) 5 (d) 9

22. On folding the given figure in the form of dice, how many dots will be opposite to the surface with 5 dots?



- (a) 1 (b) 2
(c) 3 (d) 4

23. In a symbolic language, 'how often you come' is written as 'ja ha ta na' and 'how do you read' as 'sa ma ha ta', then in this language, code for 'often' is?

- (a) ja (b) na
(c) Either ja or na (d) Data not sufficient

24. If in a clock, time is 7 hours 40 minutes, then what will be the time in its water reflection?

- (a) 10 : 50 (b) 11 : 50
(c) 10 : 55 (d) 11 : 55

25. Which of the following options will depict the meaningful series of words?

- | | | |
|----------|--------------|----------|
| 1. Heel | 2. Shoulders | 3. Skull |
| 4. Neck | 5. Knee | 6. Chest |
| 7. Thigh | 8. Stomach | 9. Face |
| 10. Hand | | |

- (a) 3, 4, 7, 9, 2, 5, 8, 10, 6, 1 (b) 3, 9, 4, 2, 10, 6, 8, 7, 5, 1
(c) 2, 4, 7, 10, 1, 5, 8, 9, 6, 3 (d) 4, 7, 10, 1, 9, 6, 3, 2, 5, 8

Directions: In Questions nos. 26 – 28 a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series :

26. 8, 24, 12, 36, 18, 54, ?

- (a) 27 (b) 68
(c) 72 (d) 108

27. 230, 246, 271, 307, ?

- (a) 412 (b) 256
(c) 518 (d) 356

28. BDE GIJ ? QST VXY

- (a) MOP (b) LNO
(c) MNP (d) MNO

Directions: In questions no. 29 and 30, some statements are given, followed by two conclusions I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusion, if any follow from the given statements. Indicate your answer.

29. **Statements :** I. Some desks are chairs

II. All chairs are tables III. Some tables are mats

Conclusions : I. Some mats are desks

II. Some tables are desks III. Some mats are chairs

- (a) Only I follows (b) Only II follows
(c) Only III follows (d) Only II and III follow

30. **Statements :** I. All glasses are pens

II. No pen is chalks III. No chalk is jug

Conclusions :

I. No glass is chalk II. No glass is not jug

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Either conclusion I or II follows
(d) Neither conclusion I nor II follows

31. If 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 are represented by $\alpha, \beta, \omega, \delta, \theta, \eta, \gamma, \mu, \nu$ and ϕ respectively, then what will be the value of

$$\frac{\omega\eta\gamma}{\theta} - \gamma\beta + \frac{\delta\alpha}{\omega}$$

- (a) $\beta\nu$ (b) $\phi\eta$
(c) $\omega\nu$ (d) $\theta\alpha$

32. Pointing towards a boy Ajay said, 'That is the son of the only sister of my father.' What is the relation of Ajay with the boy?

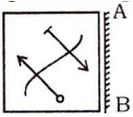
- (a) Brother (b) Cousin
(c) Uncle (d) Data insufficient

Directions (33-34) : Which of the given answer figures will be the correct mirror reflection ?

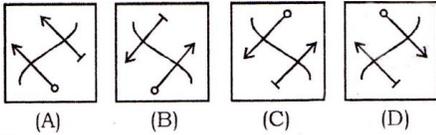
33. PAINTED

- (A) PAINTED (B) PAINTED
(C) PAINTED (D) PAINTED

34. **Question Figure:**



Answer Figure:



35. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

- __ b c d a __ c d a b __ d a b c __
 (a) d, c, a, b (b) c, d, a, b
 (c) a, b, c, d (d) c, c, d, a

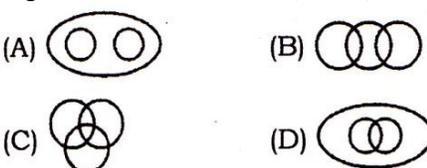
Directions : In Question Nos. 36 – 38, select the option which is different from other three alternatives.

36. (a) Tsangpo (b) Hazaribagh
 (c) Kanha (d) Bandipur
 37. (a) KP (b) BY
 (c) DW (d) HU
 38. (a) Maize (b) Mustard
 (c) Barley (d) Wheat

Directions : In Questions Nos. 39 to 40, Select the related word/ letters/numbers/ figures from the given alternatives.

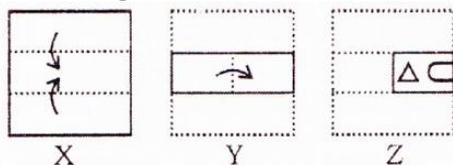
39. Breeze : Cyclone :: Drizzle : ?
 (a) Earthquake (b) Storm
 (c) Flood (d) Downpour
 40. 6 : 222 :: 7 : ?
 (a) 210 (b) 336
 (c) 343 (d) 350
 41. Rita told Mani, "The girl I met yesterday at the beach was the youngest daughter of the son-in-law of my friend's mother." How is the girl related to Rita's friend?
 (a) Cousin (b) Daughter
 (c) Niece (d) Sister

42. Four diagrams are given for each question. Choose the best diagram that describes Gold, Silver, Ornaments

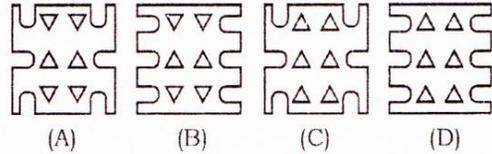


43. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

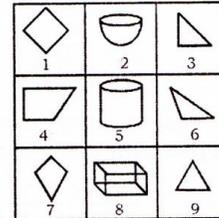
Question Figure:



Answer Figure:



44. In each of the following question, group the given figures into three classes using each figure only once.



- (a) 1, 4, 7; 2, 5, 8; 3, 6, 9 (b) 1, 4, 7; 2, 5, 9; 3, 6, 7
 (c) 1, 3, 4; 2, 5, 8; 6, 7, 9 (d) 1, 3, 3; 4, 5, 6; 7, 8, 9

45. If every alternate letter in alphabet starting from B change into small letter, then how do we write 3rd month after July?
 (a) OcTObEr (b) OcTObEr
 (c) OcTObEr (d) OcTObEr

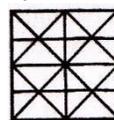
46. In each question, count the number of squares in the given figure



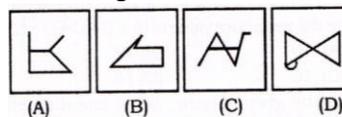
- (a) 18 (b) 19
 (c) 25 (d) 27

47. From the given answer figures, select the one in which the question figure is hidden/embedded.

Question Figure:



Answer Figure:



48. Find the similar set from the given alternatives.

- Given set (7, 27, 55)
 (a) (21, 35, 52) (b) (18, 42, 65)
 (c) (16, 40, 72) (d) (13, 30, 58)

Directions: In Questions Nos. 49 to 50, select the option which is different from other three alternatives.

49. (a) 52, 156 (b) 54, 162
 (c) 56, 168 (d) 58, 184
 50. (a) RSQN (b) NOMR
 (c) TUSX (d) EFDI

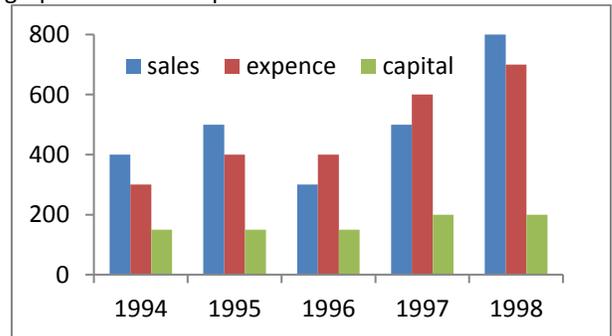
QUANTITATIVE APTITUDE

51. If $p/q < 1$, and p and q are positive integers, which of the following must be greater than 1?
 (a) q/p (b) $\sqrt{p/q}$
 (c) p/q^2 (d) $p/2q$
52. If the operation \otimes is defined by $x \otimes y = \sqrt{xy}$ for all positive numbers x and y , then $(5 \otimes 45) \otimes 60 =$
 (a) $30\sqrt{15}$ (b) $60\sqrt{15}$
 (c) 30 (d) 90
53. A candidate takes a test and attempts all the 100 questions in it. While any correct answer fetches 1 mark, wrong answers are penalized as follows: one-tenth of the questions carry $1/10$ negative mark each, one-fifth of the questions carry $1/5$ negative marks each and the rest of the questions carry $1/2$ negative mark each. Unattempted questions carry no marks. What is the difference between the maximum and the minimum marks that he can score?
 (a) 98 (b) 140
 (c) 160 (d) None of these
54. What must be subtracted from the sum of $13\frac{7}{66}$ and $4\frac{5}{66}$ to have a remainder equal to their difference?
 (a) $3\frac{7}{66}$ (b) $4\frac{5}{66}$
 (c) $8\frac{5}{33}$ (d) $8\frac{5}{66}$
55. The dimensions of a rectangular cuboid are $(x \times y \times z)$ cms³. If x , y and z are consecutive prime numbers, not necessarily in order, and it is known that if each of x , y and z acquires the next higher prime number with a volume increase of 75 cms³, what was the original surface area of this cuboid?
 (a) 286 sq cm (b) 541 sq cm
 (c) 62 sq cm (d) 66 sq cm
56. A can do a piece of work in 10 days and B can do it in 15 days. They start the work together but B goes away after 3 days and A continues till the work is finished. How long the work will take to be finished?
 (a) 10 days (b) 8 days
 (c) 11 days (d) 11.5 days
57. A can finish a job in 8 days and B in 10 days. They finish the work together and paid Rs. 4500 for the whole work done. How will they divide the money?
 (a) Rs. 2500, Rs. 2000 (b) Rs. 2000, Rs. 2000
 (c) Rs. 3000, Rs. 1500 (d) Rs. 1500, Rs. 3000
58. Aman after travelling 60 km meets with an accident and then proceeds at $3/4$ of his former rate and arrives at the destination 40 minutes late. Had the accident happened 25 km further on, he would have arrived 10 minutes sooner. Find the speed of Aman and the distance he had travelled.
 (a) 165 km, 50km/h (b) 160 km, 50km/h
 (c) 175 km, 45 km/h (d) 180 km, 45km/h
59. Seema leaves a point P at 6 a.m. and reaches the point Q at 10 a.m. Sapna leaves the point Q at 8 a.m. and reaches the point P at 12 noon. At what time do they meet?
 (a) 8 a.m. (b) 9 a.m.
 (c) 10 a.m. (d) None of these
60. 25 persons can finish a certain work in 20 days. When should 15 persons leave the work, if the whole work is to be finished in 37.5 days after they leave the work?
 (a) 17 days (b) 12 days
 (c) 8 days (d) 5 days
61. In a 100 meters race, Asha runs at a speed of 2 meters/second. If Asha gives Bindu a start of 4 metres and still beats her by 10 seconds, find the speed of Bindu.
 (a) 1.8 meters (b) 1.5 meter/sec
 (c) 1.7 meters (d) 1.6 meter/sec
62. Atul travels 360 km in 4 hours, partly by air and partly by train. If he had travelled all the way by air, he would have saved $4/5$ of the time he was in train and would have arrived at his destination 2 hours early. Find the distance he travelled by train.
 (a) 90 km (b) 120 km
 (c) 140 km (d) 160 km
63. In a stream running at 2 km/hr, a water-scooter goes 10 km upstream and back again to the starting point in 55 minutes. Find the speed of the water-scooter in still water.
 (a) 27 km/hr. (b) 22 km/hr.
 (c) 21 km/hr. (d) 24 km/hr.
64. There are 125 middle level employees in Timas Pvt. Ltd. The average monthly salary of the middle level employees is Rs. 5500 and that of the senior level employees is Rs. 14000. If the average monthly salary of all these employees is Rs. 8687.5, find the total number of employees in the company, if middle and senior level employees of Timas Pvt. Ltd. Form 80% of their total employees.
 (a) 250 (b) 230
 (c) 350 (d) 320
65. In Meenakshi's opinion, her weight is greater than 65 kg but less than 72 kg. Her brother does not agree with her and he thinks that Meenakshi's weight is greater than 60 kg but less than 70 kg. Her mother's view is that her weight cannot be greater than 68 kg. If all are correct in their estimation, what is the average of different probable weights of Meenakshi?
 (a) 70 kg (b) 67 kg
 (c) 73 kg (d) 75 kg

66. Find the angle in degrees made by a sector, the ratio of whose area with the area of the semicircle equal to 1 : 10.
 (a) 50° (b) 35°
 (c) 24° (d) 18°
67. The work done by a man, a woman and a child is in the ratio of 3 : 2 : 1. There are 20 men, 30 women and 36 children in a shoe factory. Their hourly wages amount to Rs. 780, which is divided in the ratio of work done by the men, women and children. What will be the wages of 15 men, 21 women and 30 children for 2 hours?
 (a) Rs. 980 (b) Rs. 1170
 (c) Rs. 2110 (d) Rs. 1240
68. Atul and Asha go to a bakery and buy some fruit cakes. Atul buys 9 fruit cakes more than Asha. Later in the day, they go to the bakery again and buy some egg cakes. In the entire day, Atul and Asha buy a total of 12 and 21 cakes respectively but spend the same amount of money. Find the ratio of the price of a fruit cake to that of an egg cake.
 (a) 3 : 2 (b) 1 : 2
 (c) 2 : 1 (d) 3 : 5
69. If $3x^3 - 9x^2 + kx - 12$ is divisible by $(x - 3)$, then it is also divisible by:
 (a) $3x^2 - 4$ (b) $3x^2 + 4$
 (c) $3x - 4$ (d) $3x + 4$
70. We are given two quantities of oil, with the masses differing by 2 kg. The same amount of heat, equal to 96 kcal. Was imparted to each mass, and the larger mass of oil was found to be 4 degrees cooler than the smaller mass. Find the mass of oil in each of the two quantities.
 (a) 2 kg. and 4 kg. (b) 6 kg. and 8 kg.
 (c) 5 kg. and 7 kg. (d) 7 kg. and 9 kg.
71. Two alloys of gold have difference percentage of gold in them. The first one weight 6 kg. and second one weight 12 kg. One piece each of equal weight was cut off from both the alloys and the first piece was alloyed with the second alloy and the second piece alloyed with the first one. As a result, the percentage of gold became the same in the resulting two new alloys, What was the weight of each cut-off piece?
 (a) 2 kg (b) 3 kg
 (c) 4 kg (d) 5 kg
72. A cab driver makes a profit of 20% on every trip when he carries 3 passengers and the price of petrol is Rs. 30 a litre. Find the percentage profit for the same journey if he goes with four passengers per trip and the price of petrol reduces to Rs. 24 a litre?
 (Assume that revenue per passenger is the same in both the cases.)
 (a) 100% (b) 76%
 (c) 54% (d) 43%
73. A reduction of 10% in the price of potato enables a household to buy 6.2 kg more for Rs. 279. Find the reduced price per kg of the potato.
 (a) Rs. 4.05 (b) Rs. 4.50
 (c) Rs. 4.75 (d) Rs. 5.20
74. A fruit seller purchases bananas at Rs. 600 per hundred. He spends 15% on the transportation. What should be the selling price per 100 to earn a profit of 20%?
 (a) Rs. 720 (b) Rs. 785
 (c) Rs. 828 (d) Rs. 885
75. A certain sum of money invested at compound interest becomes 1.44 times of itself in 2 years. If twice this sum were lent at simple interest, in how many years would it double itself?
 (a) 2 years (b) 2.5 years
 (c) 3 years (d) 5 years
76. Arun gives his wife Asha a birthday gift, giving her each year a number of rupees equal to the number of years of her age. If her birthday falls on August 8, what sum must be placed at simple interest at 7% on January 1, before she is 42, in order to raise the required sum?
 (a) Rs. 1000 (b) Rs. 1200
 (c) Rs. 1500 (d) Rs. 1900
77. For an experiment a sample of air, which is a mixture of oxygen and water vapour is taken. Water vapour contains hydrogen and oxygen gases. If air contains a total of 70% oxygen (including that contained in the water vapour) by weight while water vapour contains 16.66% of oxygen by weight, how many kilogram of water vapour is present in 1 kilograms of air?
 (a) 0.23 kg (b) 0.31 kg
 (c) 0.36 kg (d) 0.42 kg
78. 60% of the employees of Timas Inc. are female, and 75% of the men earn more than Rs. 25000 per month. If 45% of the company's employees earn more than Rs. 25000 per month, what fraction of the women employed by the company earn Rs. 25000 per month or less?
 (a) $\frac{3}{4}$ (b) $\frac{4}{3}$
 (c) $\frac{2}{3}$ (d) $\frac{3}{5}$
79. A man drives 150 kms. to the seashore in 3 hours and 20 minutes. He returns from the shore to the starting point in 4 hours, 10 minutes. Let r be the average rate for the entire trip, then the average rate for the trip going exceeds r , in kms. per hour, by
 (a) 5 (b) $\frac{41}{2}$
 (c) 4 (d) 2
80. Value of $\operatorname{cosec}^2\theta - 2 + \sin^2\theta$ is always
 (a) less than zero (b) non negative
 (c) zero (d) 1

81. If $\tan\theta = \frac{2t}{1-t^2}$ then $\sin\theta + \cos\theta$ equals:
- (a) $\frac{t^2-1}{t^2+1}$ (b) $\frac{t^2-2t-1}{t^2+1}$
 (c) $\frac{(t-1)^2}{t^2+1}$ (d) $\frac{1+2t-t^2}{1+t^2}$
82. Suppose ABC is a right angled triangle with right angled at C. If length of sides opposite to angle A, B, C are respectively u, v and w then $\tan A + \tan B$ equals.
- (a) $\frac{u^2}{vw}$ (b) 1
 (c) $u+v$ (d) $\frac{w^2}{uv}$
83. If $2y \cos\theta = x \sin\theta$ and $2x \sec\theta - y \operatorname{cosec}\theta = 3$, then the relation between x and y is
- (a) $2x^2 + y^2 = 2$ (b) $x^2 + 4y^2 = 4$
 (c) $x^2 + 4y^2 = 1$ (d) $4x^2 + y^2 = 4$
84. Value of $\frac{\sin\theta - \cos\theta + 1}{\sin\theta + \cos\theta - 1}$ (where $\theta \neq \frac{\pi}{2}$) is
- (a) $\frac{1 + \sin\theta}{\cos\theta}$ (b) $\frac{1 - \sin\theta}{\cos\theta}$
 (c) $\frac{1 - \cos\theta}{\sin\theta}$ (d) $\frac{1 + \cos\theta}{\sin\theta}$
85. The angle of elevation of top of a monument from a point on the ground is α and $\tan\alpha = \frac{1}{5}$. One walking 138 meter towards the base of the monument in the same straight line, the angle of elevation of the top of monument is found to be β , where $\sec\beta = \frac{\sqrt{193}}{12}$. Height of monument is
- (a) 35 (b) 49
 (c) 42 (d) 56
86. O is the circumcenter of a triangle ABC. If $\angle BAC = 85^\circ$ and $\angle BCA = 75^\circ$ then what is the value of $\angle OAC$?
- (a) 40° (b) 60°
 (c) 70° (d) 90°
87. In a triangle ABC medians CD and BE intersect at point O. What is the ratio of area of $\triangle ODE$ and $\triangle ABC$?
- (a) 1 : 6 (b) 6 : 1
 (c) 1 : 12 (d) 12 : 1
88. In a parallelogram ABCD, M is the midpoint of BD and BM is bisector of $\angle B$. The measure of $\angle AMB$ is.
- (a) 45° (b) 60°
 (c) 90° (d) 120°
89. If diameters of two circles are 6 units and 10 units and their centres are 8 unit apart, how many tangents line can be drawn to the circle ?
- (a) 1 (b) 2
 (c) 3 (d) 4
90. Point A is situated at a distance of 6.5 cm from the centre of circle. The length of tangent drawn from point A to the circle is 6 cm. What is the radius of the circle ?
- (a) 5 cm (b) 4 cm
 (c) 3.5 cm (d) 2.5 cm
91. Two circles touch each other internally. Their radii are respectively 4 cm and 6 cm. What is the maximum length of chord of outer circle which lies outside the inner circle.
- (a) $4\sqrt{2}$ cm (b) $4\sqrt{3}$ cm
 (c) $6\sqrt{3}$ cm (d) $8\sqrt{2}$ cm
92. If $\frac{x^2}{by+cz} = \frac{y^2}{cz+ax} = \frac{z^2}{ax+by} = 1$, then value of $2\left(\frac{a}{a+x} + \frac{b}{b+y} + \frac{c}{c+z}\right)$ is
- (a) -1 (b) 2
 (c) 1 (d) -2
93. If $x = \frac{4ab}{a+b}$, then value of $\frac{x+2a}{x-2a} + \frac{x+2b}{x-2b}$ is
- (a) a (b) b
 (c) 0 (d) 2
94. If $5a + \frac{1}{3a} = 5$, then value of $9a^2 + \frac{1}{25a^2}$ is
- (a) $\frac{51}{5}$ (b) $\frac{29}{5}$
 (c) $\frac{52}{5}$ (d) $\frac{39}{5}$
95. $a + b + c = 0$, then value of $\left(\frac{a^2}{bc} + \frac{b^2}{ca} + \frac{c^2}{ab}\right)$ is
- (a) 2 (b) 3
 (c) 4 (d) 5

Directions (96-100): The following graph gives sales, Expense and capital of a company for a period of five years 1994 to 1998. Read the graph and answer question 96 to 100.



96. What has been the simple average growth rate per annum of expense between 1994 and 1998?
- (a) 25% (b) $33\frac{1}{3}\%$
 (c) 40% (d) 130%

97. In which year was the sales to expense ratio the lowest?
 (a) 1994 (b) 1996 (c) 1997 (d) 1998
98. What was the average per annum increase in sales (in Rs. cr.) from 1994 to 1998?
 (a) 50 (b) 60 (c) 80 (d) 100
99. In which year was the ratio of profits to capital the highest?

- (a) 1998 (b) 1995
 (c) 1996 (d) 1997
100. In which year was the ratio of sales to capital the lowest?
 (a) 1998 (b) 1997
 (c) 1996 (d) 1995

GENERAL AWARENESS

101. Among the following, who is given the credit of propagating Jainism in South India?
 (a) Sudharma (b) Indrabhuti
 (c) Bhadrabahu (d) Sthulabhadra
102. Which Rock Edict of Ashoka provides a description of the horrors of Kalinga War?
 (a) 13th Rock Edict (b) Kalinga Edict at Dhau
 (c) The Edict at Jaugada (d) 10th Rock Edict
103. Who were the first kings to issue gold coins in India?
 (a) Mauryas (b) Indo-Greeks
 (c) Guptas (d) Kushans
104. Which one of the following Delhi Sultan wrote his own memoir?
 (a) Nawab Asafuddaula (b) Alauddin Khilji
 (c) Muhammad Shah Rangila (d) Qutubuddin Aibak
105. Who among the following Urdu poets was invited to the Second and Third Round Table Conference?
 (a) Faiz Ahmad Faiz (b) Josh Malihabadi
 (c) Muhammad Iqbal (d) Firaq Gorakhpuri
106. Which one of the following princely states acceded to the Indian on 15 August, 1947?
 (a) Hyderabad (b) Junagarh
 (c) Kashmir (d) Mysore
107. Match List-I with List-II and select the correct answer using the codes given below the lists
- | List-I | | List-II | |
|-----------|--|-----------------|--|
| A. Niger | | 1. Egypt | |
| B. Kasai | | 2. South Africa | |
| C. Orange | | 3. Zaire | |
| D. Nile | | 4. Mali | |
- Codes**
- | A | B | C | D |
|-------|---|---|---|
| (a) 4 | 3 | 1 | 2 |
| (b) 3 | 4 | 2 | 1 |
| (c) 3 | 4 | 1 | 2 |
| (d) 4 | 3 | 2 | 1 |
108. At which one of the following place East-West Corridor connecting Silchar and Probandar and North-South Corridor connecting Srinagar and Kanyakumari, intersect each other?
 (a) Jhansi (b) Agra
- (c) Jabalpur (d) Nagpur
109. The Gulf of Manner is suited along the coast of
 (a) Tamil Nadu (b) Kerala
 (c) Karnataka (d) Andhra Pradesh
110. The term 'regur' refers to
 (a) Laterite soil (b) Black cotton soil
 (c) Red soil (d) Deccaic Alluvial soil
111. Xerophytic vegetation is a characteristic feature of
 (a) Chota nagpur (b) Khasi Hills
 (c) Kachchh (d) Eastern Hills
112. In which of the following state is Kakrapar nuclear power station located?
 (a) Karnataka (b) Tamil Nadu
 (c) Maharashtra (d) Gujarat
113. The first session of the Constituent Assembly was held in
 (a) New Delhi (b) Mumbai
 (c) Kolkata (d) Lahore
114. Who wrote the book "The Story of the Integration of the Indian States"?
 (a) B N Rao (b) C Rajagopalachari
 (c) Krishna Menon (d) VP Menon
115. The Constitution of India is republican because it
 (a) provides for an elected President
 (b) provides for adult franchise
 (c) contains a bill or rights
 (d) has no hereditary elements
116. Questions of disqualification of member of the Parliament except in case of defection have to be decided by
 (a) The Election Commission in consultation with the Speaker of the Lok Sabha
 (b) The Speaker or the Chairman of the respective House in consultation with the Election Commission
 (c) The President, according to the opinion of the Election Commission
 (d) The Supreme Court
117. Question Hour in the Parliament refers to
 (a) The lunch hour after the sitting
 (b) The last hour of the sitting (c) The first hour of the sitting
 (d) The second hour of the sitting
118. Which one of the following statements regarding Judiciary in India is not correct?

- (a) District Courts in India are presided over by a Judge
 (b) The District and Session Judge is the principal court of civil jurisdiction
 (c) The Munsiff's Court has both civil and criminal jurisdiction
 (d) The District and Session Judge has the power to impose capital punishment
- 119.** Branch of biology deals with extinct organisms
 (a) Palynology (b) Phylogeny
 (c) Palaeontology (d) Palaeobotany
- 120.** The vitamin which is generally excreted by humans in urine is
 (a) Vitamin A (b) Vitamin D
 (c) Vitamin C (d) Vitamin E
- 121.** Presence of many embryos is a characteristics feature of
 (a) Citrus (b) Mango
 (c) Banana (d) All of these
- 122.** The energy currency of our cell/body is
 (a) NAD (b) GTP
 (c) AMP (d) ATP
- 123.** RNA differs from DNA in having
 (a) Thymine (b) Adenine
 (c) Uracil (d) Guanine
- 124.** Which gland is associated with the production of lymphocytes and antibodies?
 (a) Hypothalamus (b) Adrenal
 (c) Thymus (d) Thyroid
- 125.** Which of the following cannot be emitted by radioactive substances during their decay?
 (a) Electrons (b) Protons
 (c) Neutrons (d) Helium
- 126.** Which one of the following reactions is the main cause of the energy radiation from the Sun?
 (a) Fusion reaction (b) Fission reaction
 (c) Chemical reaction (d) Diffusion reaction
- 127.** In the electric supply lines in India, which parameter is kept constant?
 (a) Current (b) Voltage
 (c) Power (d) Frequency
- 128.** The solar system is an example of
 (a) conservation of energy.
 (b) conservation of linear momentum.
 (c) conservation of angular momentum.
 (d) None of the above
- 129.** Which one among the following is the natural polymer?
 (a) Nylon (b) Teflon
 (c) PVC (d) Cellulose
- 130.** The pashmina is a variety of wool obtained from
 (a) Sheep (b) Cow
 (c) Goat (d) Horse
- 131.** Consider the following statements
 I. Dry ice is the solid form of Co_2
 II. Dry ice is used primarily as a cooling agent
 III. Water ice is colder than dry ice.
 Which of the statements given above is/are correct?
 (a) I Only (b) II Only
 (c) I and II (d) I, II and III
- 132.** Ustad Bismillah Khan was an exponent of
 (a) Tabla (b) Shehnai
 (c) Sarod (d) Flute
- 133.** Sanjay Gandhi National park is located at
 (a) Gangtok (b) Nokerk
 (c) Koraput (d) Mumbai
- 134.** Which one of the following countries is not a member of the SAARC?
 (a) Bangladesh (b) Maldives
 (c) Bhutan (d) Myanmar
- 135.** When is the international Migrants Day observed?
 (a) December 18 (b) January 25
 (c) October 24 (d) November 20
- 136.** In vacuum, the speed of light
 (a) depends on its wavelength
 (b) depends on its frequency (c) depends on its intensity
 (d) neither depends on its wavelength, frequency nor intensity
- 137.** Liquidity preference theory of interest propounded by
 (a) J. S Mill (b) A. Marshall
 (c) I. Fisher (d) J. M Keynes
- 138.** Which Economist was awarded Nobel Prize for economics in the year 1998 for his studies on poverty and famine?
 (a) Prof. Robert Mondell (b) Ram Krishna Ayer
 (c) Amartya Sen (d) Devojit Datta
- 139.** Implicit cost is otherwise called as
 (a) imputed cost (b) accounting cost
 (c) opportunity cost (d) economic cost
- 140.** Jet streams are
 (a) high velocity winds in the Southern Hemisphere
 (b) high velocity winds in desert areas
 (c) high velocity winds at high altitudes
 (d) high velocity winds in central part of India
- 141.** Sleeping sickness happens due to
 (a) deficiency of Vitamin – A
 (b) deficiency of calcium in body
 (c) Rising of Blood pressure
 (d) Mono cell animal named Trypanosoma
- 142.** In which Five Year Plan, Economic Development rate was maximum?
 (a) First Five Year Plan (b) Sixth Five Year Plan

- (c) Tenth Five Year Plan (d) Fourth Five Year Plan
143. 'Indian War of Independence 1857' is written by
 (a) S. N Sen (b) R. C. Majumdar
 (c) V. D Savarkar (d) S. B. Chaudhary
144. Alpha-keratin is a protein present in:
 (a) Skin (b) Wool
 (c) Blood (d) Eggs
145. Which Amendment Act of the Indian Constitution gave constitutional status to Panchayati raj System?
 (a) 71st (b) 72nd
 (c) 73rd (d) 74th
146. India became independent during the viceroyalty of
 (a) William Bentinck (b) Wellesley
 (c) Wavell (d) Mountbatten
147. The bubbles in Champagne and Soda are
 (a) Nitrogen (b) Oxygen
 (c) Carbon dioxide (d) Hydrogen
148. Gobar gas contains mainly
 (a) Butane (b) Carbon monoxide
 (c) Methane (d) Carbon dioxide
149. When an object is transferred from moon to the earth :
 (a) its weight decreases and mass increases on earth.
 (b) its weight increase and mass decrease on earth
 (c) its weight increase and mass decreases on earth
 (d) its weight increases and mass remains unchanged on earth.
150. Which of the following is not a Constitutional organ?
 (a) Election Commission (b) Finance Commission
 (c) Inter-State Council (d) Planning Commission

ENGLISH LANGUAGE

Directions (151-155): In these questions, four alternatives are given for the idiom/phrase given in **bold** in the sentence. Choose the alternative which best expresses the meaning of the idiom/phrase given in **bold**.

151. All his projects are **upon the anvil**
 A. futile B. costly
 C. far from reality
 D. in the state of formation
152. Our progress lies in **putting the axe in the helve**.
 (a) Being optimistic (b) To solve a problem
 (c) working in proper order
 (d) doing hard work
153. The police officer **backed spear** the criminal to know about the stolen valuables.
 (a) reprimanded (b) intimidated
 (c) questioned in order to get information
 (d) beat
154. The new police inspector is really **on the ball**.
 (a) Very honest (b) corrupt
 (c) alert (d) aggressive
155. The thief fled from the custody by **selling the police a bargain**.
 (a) dodge (b) bribe
 (c) attack (d) feigning about ailment

Directions (156-158): In these questions, out of the four alternatives, choose the one which best expresses the **meaning** of the word given in **bold**.

156. **Exacerbate**
 (a) encourage (b) mend
 (c) aggravate (d) implore
157. **Solicit**

- (a) vocation (b) beseech
 (c) catnap (d) peruse
158. **Uproarious**
 (a) obstreperous (b) tinsel
 (c) rational (d) querulous
- Directions (159-161):** In these questions, choose the word **opposite** in meaning to the word given in **bold**.
159. **Extol**
 (a) devise (b) extricate
 (c) Criticize (d) Gambol
160. **Mulish**
 (a) obstinate (b) benign
 (c) fanatic (d) docile
161. **Exalted**
 (a) sordid (b) prominent
 (c) prosaic (d) intrepid
- Directions (162-168):** In the following questions, out of the four alternatives choose the one which can be substituted for the given words/sentence.
162. Medicine which induces vomiting
 (a) rag (b) nostrum
 (c) emetic (d) heretic
163. One who believes in the philosophy that nothing has real existence
 (a) Recalcitrant (b) Bohemian
 (c) Iconoclast (d) Nihilist
164. Willful and persistent resistance to lawful authority
 (a) contumacy (b) insolence
 (c) supercilious (d) obstinacy
165. The art of spelling words correctly
 (a) cacography (b) orthography

- (c) cryptography (d) chorography
166. A state of mental weariness from occupation
(a) banshee (b) at sea
(c) ennui (d) doldrums
167. A change that befalls something
(a) Mutation (b) transmigration
(c) transmogrification (d) cataclysm
168. belonging to class between the gentry and laborious
(a) ethos (b) eugenics
(c) bourgeois (d) elite

Directions (169-170): In these questions, four words are given out of which only one is **correctly spelt**. Find that **correctly spelt** word.

169. (a) facsimile (b) facssimile
(c) fasimile (d) faccsimile
170. (a) permissible (b) permissibile
(c) permisible (d) permisiable

Directions (171-175): In these questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four alternatives.

171. APJ Abdul Kalam was _____ a great scientist.
(a) Out-and-out (b) many
(c) part and parcel (d) first and foremost
172. _____ is a previous case taken as an authoritative example for subsequent procedures or cases.
(a) precedent (b) president
(c) emolument (d) precedence
173. Udit informed me about the accident which had _____ four days before.
(a) occurred (b) took place
(c) had happened (d) passed
174. All the board members were present with the _____ of the treasurer.
(a) exception (b) absence
(c) omission (d) delay
175. _____ he is a hard worker, his quality of work is not of a desirable level.
(a) despite (b) because
(c) although (d) however

Directions (176-180): In these questions, read each sentence to find out whether there is any 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 (D). (Ignore errors of Punctuation, if any.)

176. Just laws are no restraint on the freedom of the good for the good man desires nothing which is just a law interfere with.
(a) Just laws are no restraint on
(b) The freedom of the good for the good man desires nothing
(c) Which is just a law interfere with

- (d) No error
177. Things will not improve unless you yourself look into it.
(a) Things will not (b) Improve unless
(c) You yourself look into it (d) No error
178. Why is it that don't you understand even when it is explained to you again and again.
(a) Why is it that don't you
(b) understand even when it is
(c) explained to you again and again.
(d) No error
179. You should behave with others the same way as you would expect them to behave with you.
(a) You should behave with
(b) others the same way as you
(c) would expect them to behave with you.
(d) No error
180. Raju along with his family goes for morning walk every day in the nearby park.
(a) Raju along with his family
(b) goes for morning walk
(c) every day in the nearby park.
(d) No error

Directions (181-190): In these questions, a sentence or a part of sentence is underlined. Below are given alternatives to the underlined part which may **improve the sentence**. Choose the correct alternative. In case no improvement is needed, your answer is (D).

181. Since your departure, nothing has been transpired here worth your notice.
(a) Worthy of note has been transpired
(b) Worthy of note has transpired here
(c) Worth your notice has transpired here
(d) No improvement
182. Who can prevent you from getting married now you are within age?
(a) In (b) Of
(c) on (d) No improvement
183. Something is pretty here that Reena can wear to the party.
(a) Something here is pretty
(b) Something is here pretty
(c) Here is something pretty
(d) No improvement
184. Their friendship will not last through long time.
(a) last through a long time (b) last through
(c) last long (d) No improvement
185. I don't think many people will be able to attend the meeting tomorrow. I, but for one, have to be in Chennai.
(a) So for one (b) Rather for one
(c) For one (d) No improvement
186. The cookbook is taylor-made for amateur vegan cooks.
(a) Mass-produced (b) Customized

- (c) Professionally made (d) No improvement
187. Dheeraj is a heavily built man.
 (a) Strongly (b) stockily
 (c) sturdily (d) no improvement
188. Rahul laughed at Kajal, after which she walked out.
 (a) wherever (b) whereas
 (c) whereupon (d) No improvement
189. The good that men do is often gone with them.
 (a) Engraved with them (b) Carried with them
 (c) Buried with them (d) No improvement
190. Seventy-four applications were received, of whom the better were selected for detailed review.
 (a) From which were selected the better
 (b) Of which the best were selected
 (c) From whom were selected the best
 (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.

Just a week ago, on the day of his election as FIFA president for a fifth term, Joseph S. Blatter remarked: "We don't need revolutions, we need evolutions." After resuming office he went further and said: "Why would I step down? That would mean I recognize that I did wrong." However, days later, in a widely welcomed move he resigned, saying the organization needed a "profound overhaul". It is unclear what prompted the hard-nosed football administrator, who displayed such Machiavellian ability to stay in control of the body even as it was engulfed in a series of corruption scandals. Whether it was because the noose was tightening around the FIFA general secretary and his second-in-command, Jérôme Valcke, alleged to have authorized \$10 million in bribes for World Cup bidding votes, and fears that it would finally reach him, or pressure from the Michel Platini-led UEFA, or ultimately his own conscience, remain questions. Mr. Blatter believed he was a part of the solution and not the problem, although hardly anyone accepted that. In politics it is said 'perception is reality', and in the political theatre that FIFA had become over the years it was no different. Any effort to turn FIFA around would have rung hollow with him at the helm. Accountability has to begin at the top, and Mr. Blatter's resignation is the first step towards that. Going forward, the need is to transform the way FIFA works.

In 2011, before starting his fourth term, Mr. Blatter engaged Mark Pieth, a Professor of criminal law at Basel University, to create a road map for reform. His recommendations included fixing term limits for the president and executive committee members, proper scrutiny of candidates nominated to the executive committee and greater financial controls. None of these has been acted upon, and the time to do so is now.

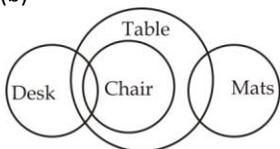
The deeply entrenched **quid pro quo** system between Mr. Blatter's regime and regional football associations, with the development funding route turning into a tool to buy votes and thereby creating divisions within the footballing fraternity, has to end. But that shouldn't mean a throwback to an era when Europe dominated the football scene: that was precisely the reason why Mr. Blatter was so popular in the developing world. It is imperative that a truly democratic system is put in place.

191. Why inspite of earlier denials, Joseph S. Blatter resigned from the post of FIFA President ?
 A. there were clear allegations against FIFA general secretary Jérôme Valcke who was close to President.
 B. Subtle pressure from the Michel Platini-led UEFA.
 C. His own Conscience led him to resign from his post.
 D. Reason was not stated above.
192. In 2011, Mr. Blatter appointed Mark Pieth, a Professor of criminal law at Basel University, to **create** a road map for reform, Which of the following were not among his recommendations ?
 A. Fixing term limits for the President and Executive Committee.
 B. Proper scrutiny of candidates nominated to the executive committee members.
 C. Lesser financial controls.
 D. All of the above were among his recommendations.
193. What can be said about the author's tone in the last paragraph?
 1. Pedantic. 2. Sarcastic.
 3. Laudatory. 4. Concerned.
 A. Only 1 B. Only 1 and 2
 C. Only 3 and 4 D. Only 1 and 4.
194. State which of the following statements are false as per the given passage ?
 A. FIFA general secretary Jérôme Valcke, alleged to have authorised \$10 million in bribes for World cup bidding votes.
 B. FIFA President Joseph S Blatter resigned from his post after the allegations of deteriorating the infrastructure of Regional Football Association Club.
 C. In 2011, Mr. Blatter engaged Mark Pieth, a Professor of criminal law at Basel University, to create a road map for reform.
 D. There is a firmly established quid pro quo system between Mr. Blatter's regime and regional football associations, with the development funding route turning into a tool to buy votes and thereby creating divisions within the footballing fraternity
195. Which of the following phrase can replace the words in '**quid pro quo**' here.
 (a) Give and take. (b) Animosity

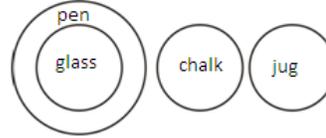
110	b	120	c	130	c	140	a	150	d
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HINTS

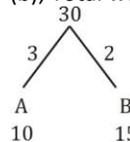
- (a)
- (d) Complementary is opposite to supplementary
- (a) Birju Maharaj is a Kathak dancer
- (b) White flag is related to surrender
- (b) $E + T = 25$ $I + P = 25$
 $V + G = 29$ $R + K = 29$
 $F + S = 25$ Similarly $J + O = 25$
 $U + N = 29$ $Q + L = 29$
- (b) Each letter is moved two places forward.
- (a) Except "a" every other terms are following +3 + 3 +3 pattern.
- (a) Except "a" all are cubes of some number
- (b) All are metal except bronze, bronze is an alloy.
- (d) In "d" all are planet, in other options all terms do not belong to same category
- (d)
- (b) Hasan > Punit > Sadna > John > Amit
- (d) Fish lives in water and water is called green
- (c)
- (b) calendar of years with same number of odd days are same.
- (a) $3^3 = 27$, $4^3 = 64$, so, $8^3 = 24$
- (c) $3 \times 15 = 45$
So, $5 \times 4 = 20$ & each row has A, B, C
- (b) $Z - 2 = X$, $X - 2 = V$
And number
 $4 \times 3 - 3 = 9$
Similarly $A + 2 = C$, $C + 2 = E$
Number
 $4 \times 5 - 5 = 15$
- (b) $(25 + 23) - (14 + 17) = 17$
Similarly $(41 + 22) - (33 + 41) = 11$
- (b) $6 \times 2 + 4 \times 3 = 24$
Similarly
 $4 \times 2 + 2x = 12$
 $\Rightarrow x = 2$
- (b) 22. (c) 23. (c) 24. (a) 25. (b)
- (a) $8 \times 3 = 24$
 $24 \div 2 = 12$
 $12 \times 3 = 36$
 $36 \div 2 = 18$
 $18 \times 3 = 54$
 $54 \div 2 = 27$
- (d) The pattern of the series is
 $+4^2, +5^2, +6^2, +7^2$
- (b) Every letter in each term is move five places forward.
- (b)



30. (a)



- (a)
- (b) Only sister of father is aunt, and aunt's son is cousin
- (b)
- (b)
- (c) abcd/abcd/abcd/abcd
- (a) All are national park except Tsangpo
- (d) Except HU, sum of all other is 27
- (b) Mustard is an oil seed.
- (d) Drizzle is related to downpour
- (d) $6^3 + 6 = 222$, $7^3 + 7 = 350$
- (c) 42. (a) 43. (b) 44. (a) 45. (c) 46. (d) 47. (a)
- (c) $7 \times 1 \rightarrow 9 \times 3 \rightarrow 11 \times 5$
Similarly $8 \times 2 \rightarrow 10 \times 4 \rightarrow 12 \times 6$
- (d) 2nd number is 3 times first
- (a) Except 'a' pattern of others is +1 -2 +5
- (a); With the help of option $p/q < 1 \Rightarrow q > p$, thus reciprocal, q/p Always has a value greater than 1 because the numerator will always be a larger positive integer than denominator must be greater than 1.
- (c); $\sqrt{(5)(45)} \otimes 60 = \sqrt{15 \times 15 \times 4} = 30$
- (b); Let 100 total question
Total correct = 100 marks
 $\frac{1}{10} \times 100 \rightarrow 10 \text{ Ques} \rightarrow \frac{1}{10}$ Negative marking
 $\frac{1}{5} \times 100 \rightarrow 20 \text{ Ques} \rightarrow \frac{1}{5}$ Negative marking
Rest means 70 ques $\rightarrow \frac{1}{2}$ Negative marking.
Total = -40 marks
So, Difference = $100 - (-40) = 140$
- (c); Difference = $13 \frac{7}{66} - 4 \frac{5}{66}$
 $= 9 \frac{1}{33}$
 $SUM = 13 \frac{7}{66} + 4 \frac{5}{66} = 17 \frac{2}{11}$
req. ans. = $17 \frac{2}{11} - 9 \frac{1}{33} = 8 \frac{5}{33}$
- (c); If all prime no. are used, the difference must be even but difference given is odd. This means the even prime no. is used. So, 2, 3, 5 must be used so, the surface area = 62 sq. cm.
- (b); Total work = 30



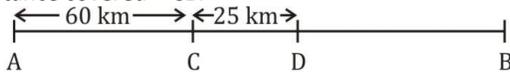
Three days work = $3 \times 5 = 15$

Remaining work = $\frac{15}{3} = 5$ days

So, Total work = $5 + 3 = 8$ days.

57. (a);
- | | |
|----------|-----|
| A | B |
| Time → 4 | : 5 |
| Work → 5 | : 4 |
- So, A's share = $\frac{5}{9} \times 4500 = 2500$
 B's share = $\frac{4}{9} \times 4500 = 2000$

58. (b) When accident takes place at C, then after the accident distance covered = CB.



When accident takes place at D, then after the accident distance covered = DB

⇒ CB - DB = 25 km = CD

And $\frac{1}{3}$ of usual times to cover CD = $10 \times 3 = 30$ min

In 30 min, Aman covers CD = 25 km.

Speed = $\frac{25}{30} \times 60 = 50$ km/hr

Now $\frac{1}{3}$ of usual time to cover CB = 40 min

Usual time to cover CB = $40 \times 3 = 120$ min. = 2 hour

∴ Distance CB = Speed × time = $50 \times 2 = 100$ km.

Total distance, AB = AC + CB = $60 + 100 = 160$ km.

Hence required speed = 50 km/hr.

59. (b); Average speed of Seema = $\frac{y}{10-6} = \frac{y}{4}$ km/hr
 Average speed of Sapna = $\frac{y}{12-8} = \frac{y}{4}$ km/hr
 They meet x hrs after Seema starts. Sapna as she starts 2 hrs late, meet after $(x - 2)$ hrs from start.
 So, distance travelled by Sapna = $\frac{y(x-2)}{4}$ km
 So, $\frac{yx}{4} + \frac{y(x-2)}{4} = y$
 $x = 3$ hrs.
 So, They meet at = 6 a.m. + 3 hrs. = 9 a.m.

60. (d); 10 person can finish work = $\frac{25 \times 20}{10} = 50$ days
 15 person leave the work & work done in 37.5 day
 only $\frac{37.5}{50} = \frac{3}{4}$ part of the work. Hence all persons must work till
 $(1 - \frac{3}{4}) = \frac{1}{4}$ of the work finished
 ⇒ 25 person $\frac{1}{4}$ work in $\frac{20}{4} = 5$ days.
 So, 15 person should leave the work after 5 days.

61. (d); Loser's time - winner's time = beat time + start time
 ⇒ Bindu's time - Asha's time = $10 + 0$
 ⇒ $\frac{\text{Bindu's distance}}{\text{Bindu's speed}} - \frac{\text{Asha's distance}}{\text{Asha's speed}} = 10$
 ⇒ $\frac{100-4}{\text{Bindu's speed}} - \frac{100}{2} = 10$
 Bindu's speed = 1.6 m/sec

62. (a); $\frac{4}{5}$ of total time in train = 2 hours
 Total time in train = $\frac{5}{2}$ hours.
 Total time in Air = $4 - \frac{5}{2} = \frac{3}{2}$ hr.
 By the given data, if 360 km is covered by Air, then time = $4 - 2 = 2$ hours

Then, $\frac{3}{2}$ hrs is spent in air.

Distance covered = $\frac{360}{2} \times \frac{3}{2} = 270$ km

Hence distance covered by train = 90 km

63. (b); Water-scooter be y km/hr.

$10 = \frac{55}{60} \times \frac{(y)^2 - (2)^2}{2y}$

$11y^2 - 240y - 44 = 0$

$y = \frac{-2}{11}$ or 22 km/h

64. (a); No. of senior level employees = y

⇒ $\frac{125 \times 5500 + 14000 \times y}{125 + y} = 8687.5$

$y = 75$

$(\frac{4}{5})$ of total employees = $125 + 75 = 200$

Hence the no. of total = $\frac{5}{4} \times 200 = 250$

65. (b); The value satisfies all the conditions ⇒ 66, 67, 68

= $\frac{66+67+68}{3} = \frac{201}{3} = 67$ kg

66. (d); Area of semicircle = $\frac{1}{2} \pi r^2$

Area of sector = $\frac{\theta}{360} \times \pi r^2$

$\frac{\frac{\theta}{360} \times \pi r^2}{\frac{1}{2} \times \pi r^2} = \frac{1}{10}$

$\theta = \frac{1}{10} \times 180 = 18^\circ$

67. (b); $20 \times 3x + 30 \times 2x + 36x = 780$

$x = 5$

So, required amount = $2(15 \times 3 \times 5 + 21 \times 2 \times 5 + 30 \times 5) = 1170$

68. (c); Asha buy x fruit cakes. Then no. of cakes bought by Atul = $x + 9$

Atul bought y egg cakes. Then no. of egg cakes bought by Asha = $y + 18$

$\frac{x+y+9}{x+y+18} = \frac{12}{21} = \frac{4}{7}$

$x + y = 3$

$x \& y \neq 0$

When $x = 1, y = 2$

And if, $y = 1, x = 2$

Let the price of fruit cake be a /units and price of egg cake be b /units.

$10a + 2b = a + 20b$

$9a = 18b$

$a : b = 2 : 1$

69. (b); $(x - 3)$ is factor, satisfying $(3x^2 - 9x^2 + kx - 12)$

so, put $x = 3$.

$k = 4$

Now, $3x^3 - 9x^2 + 4x - 12 = 3x^2(x - 3) + 4(x - 3) = (3x^2 + 4)(x - 3)$

70. (b); Mass of oil in each of the two quantities by y and $(y + 2)$

Kg.

$\frac{96}{y} - \frac{96}{(y+2)} = 4$

$y = 6$ or -8

$y = 6$ kg

& $y + 2 = 8$ kg

71. (c); Let x be the weight of the cut off piece.

$$\frac{6-x}{x} = \frac{x}{12-x}$$

$$x = 4 \text{ kg}$$

1st alloy: 2 kg of 1st alloy and 4 kg of 2nd alloy.

2nd alloy: 4 kg of 1st alloy and 8 kg of 2nd alloy.

So, ratios are equal to 1 : 2 in each case.

72. (a) Cost of trip \times Price of petrol.

So, C.P. = 100

New cost = 80

Profit = 20%, his revenue = 120

When he takes 4 passengers instead of 3. His revenue would go upto 160 and his profit would become 100% (Cost \rightarrow 80 & revenue \rightarrow 160)

73. (b) 10% reduction \rightarrow 11.11% increase consumption.

But increase in consumption = 6.2 kg.

Hence, initial consumption = 6.2 kg \times 9 = 55.8 kg.

The initial price = $\frac{279}{55.8} = 5$ per kg.

Hence, reduced price = $\frac{279}{55.8+6.2} = 4.50$ per kg.

74. (c) C.P. per 100 banana = 600 + 15% of 600 = 690/-

S.P. at 20% profit = 1.2 \times 690 = 828/-

75. (d); When the sum becomes 1.44 in two years.

Means in one year it become 1.2 times. Then rate of interest is 20% p.a. The second part of the problem is that @ 20% p.a. The sum of money will double itself in how many years.

As total interest needed 100% at giving rate 20%, it will take 5 year.

76. (a); No. of days Jan 1 to Aug. 8 = 30 + 28 + 31 + 30 + 31 + 30 + 31 + 8 = 219.

So, $\frac{219}{365} = \frac{3}{5}$ of an year at 7% to get 42 work from choice now.

Taking 1000/-, we calculate Interest = $\frac{100 \times 7 \times 3}{10 \times 5} = 42$

77. (c); Hydrogen = 300 gm

$\frac{5}{6}$ of water Vapour = 300 gm

water vapour = 0.36 kg

78. (a); Let the total no. of employees = y

Female employees = $\frac{3y}{5}$

Male employees = $\frac{2y}{5}$

No. of male employees who earn more than 25000 = $\frac{3}{4} \times \frac{2y}{5} = \frac{3y}{10}$

Total no. of employees who earn more than 25000 = $\frac{9y}{20}$

No. of female employees who earn more than 25000 = $\frac{3y}{20}$

Fraction of woman employees who earn 25000 per month or less.

$$= \frac{\frac{3y}{5} - \frac{3y}{20}}{\frac{3y}{5}} = \frac{3}{4}$$

79. (a); Average speed = 45 km/hr

Average. Speed of complete trip = $\frac{300}{\frac{10}{3} + \frac{25}{6}} = 40$ km/hr

So, the average speed exceeds average ratio overall by 5 km/hr.

80. (b); $\text{cosec}^2\theta - 2 + \sin^2\theta = (\sin\theta - \text{cosec}\theta)^2$

Hence it is always non negative.

81. (d); $\tan\theta = \frac{2t}{1-t^2}$

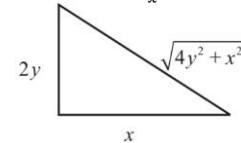
$$\sin\theta + \cos\theta = \frac{p}{h} + \frac{b}{h} = \frac{2t+1-t^2}{1+t^2}$$

82. (d); In ΔABC , $\tan A = \frac{BC}{AC} = \frac{u}{v}$, $\tan B = \frac{v}{u}$

$$u^2 + v^2 = w^2$$

$$\tan A + \tan B = \frac{w^2}{uv}$$

83. (b); $\tan\theta = \frac{2y}{x}$



$$2x \cdot \sec\theta - y \cdot \text{cosec}\theta = 3$$

$$2x \cdot \frac{\sqrt{4y^2+x^2}}{x} - \frac{y\sqrt{4y^2+x^2}}{2y} = 3$$

$$x^2 + 4y^2 = 4$$

84. (a); Putting $\theta = 60^\circ$

$$\frac{\sin\theta - \cos\theta + 1}{\sin\theta + \cos\theta - 1} = \frac{\sqrt{3}+1}{\sqrt{3}-1} = 2 + \sqrt{3}$$

only option (a) satisfied the same value.

85. (c); $\tan\alpha = \frac{1}{5} \Rightarrow \cot\alpha = 5$

$$\sec\beta = \sqrt{\frac{193}{12}}$$

$$\tan\beta = \sqrt{\sec^2\beta - 1} = \frac{7}{12}$$

$$\cot\beta = \frac{12}{7}$$

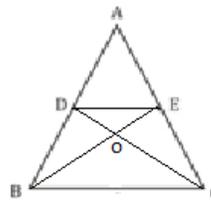
$$\Rightarrow x = h \cdot [\cot\alpha - \cot\beta]$$

$$h = \frac{138}{5 - \frac{12}{7}} = 42 \text{ meter}$$

86. (a); $\angle B = 180 - 75^\circ - 85^\circ = 20^\circ$

$$\angle OAC = 2\angle B = 40^\circ$$

87. (c); $\frac{\Delta ODE}{\Delta BOC} = \frac{DE^2}{BC^2}$



$$DE = \frac{1}{2} BC$$

$$\text{Area of } \Delta ABC = 3 \times \text{Area of } \Delta OBC$$

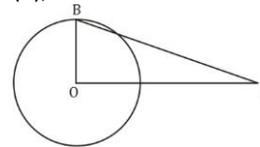
$$\frac{\Delta ODE}{\Delta ABC} = \frac{\Delta ODE}{3 \times \Delta BOC} = \frac{1}{3} \cdot \frac{DE^2}{BC^2} = \frac{1}{12}$$

88. (c); Parallelogram is a rhombus $\angle AMB = 90^\circ$

89. (c); Distance between centers of two circles is equal to sum of their radii, the two circle touch externally.

So, Maximum no. of 3 common tangent can be drawn.

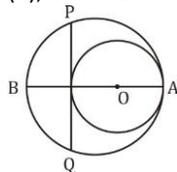
90. (d); $OB = \sqrt{OA^2 - AB^2}$



$$= \sqrt{(6.5)^2 - 6^2}$$

$$= 2.5 \text{ cm}$$

91. (d); $OA \times OB = OP \times OQ$



$$OB = AB - OA$$

$$= 12 - 8 = 4 \text{ cm}$$

$$4 \times 8 = OP^2$$

$$OP = 4\sqrt{2} \text{ cm} \Rightarrow PQ = 2 \times 4\sqrt{2} = 8\sqrt{2} \text{ cm}$$

92. (b); $x^2 = by + cz, y^2 = cz + ax, z^2 = ax + by$

$$\Rightarrow 2\left(\frac{a}{a+x} \cdot \frac{x}{x} + \frac{b}{b+y} \cdot \frac{y}{y} + \frac{c}{c+z} \cdot \frac{z}{z}\right)$$

$$\Rightarrow 2\left(\frac{ax}{ac+by+cz} + \frac{by}{by+cz+ax} + \frac{cz}{cz+ax+by}\right)$$

$$2\left(\frac{ac+by+cz}{ac+by+cz}\right) = 2$$

93. (d); $x = \frac{4ab}{a+b}$ Put, $a = 1, b = 3$ so, $x = 3$

$$\frac{x+2a}{x-2a} + \frac{x+2b}{x-2b} = \frac{3+2}{3-2} + \frac{3+6}{3-6} = 5 - 3 = 2$$

94. (d); $5a + \frac{1}{3a} = 5$

$$\frac{5}{3}\left(3a + \frac{1}{5a}\right) = 5, \text{ squaring both sides.}$$

$$9a^2 + \frac{1}{25a^2} = \frac{39}{5}$$

95. (b); $\frac{a^2}{bc} + \frac{b^2}{ca} + \frac{c^2}{ab} = \frac{a^3+b^3+c^3}{abc} = \frac{3abc}{abc} = 3$

96. (a); Growth rate per annum expense for,

$$\text{Year 1995 is } \frac{100}{300} \times 100\% = \frac{100}{3}\%$$

Year 1996 is 0%

$$\text{Year 1997 is } \frac{200}{400} \times 100\% = 50\%$$

$$\text{Year 1998 is } \frac{100}{600} \times 100\% = \frac{50}{3}\%$$

$$\therefore \text{Average growth per annum} = \frac{\frac{100}{3}\% + 0\% + 50\% + \frac{50}{3}\%}{4} = 25\%$$

97. (b); Sale : expense in 1994 = 400 : 300 = 4 : 3 = $\frac{4}{3} = 1.33$

$$\text{Sale : expense in 1996} = 300 : 400 = 3 : 4 = \frac{3}{4} = 0.75$$

$$\text{Sale : expense in 1997} = 500 : 600 = 5 : 6 = \frac{5}{6} = 0.83$$

$$\text{Sale : expense in 1998} = 800 : 700 = 8 : 7 = \frac{8}{7} = 1.14$$

Clearly the ratio was least in 1996.

98. (d); Average per annum increase in sales =

$$\frac{(500-400)+(300-500)+(500-300)+(800-500)}{4}$$

$$= \frac{100-200+200+300}{4} = \text{Rs. 100 crore}$$

99. (b) Profit in 1995 = 500 - 400 = Rs. 100 crore

$$\therefore \text{Profit : Capital} = 100 : 150 = 2 : 3$$

There is no profit in 1996

There is no profit in 1997

$$\text{Profit in 1998} = 800 - 700 = \text{Rs. 100 crore}$$

$$\therefore \text{profit : Capital} = 100 : 200 = 1 : 2$$

$\therefore 2 : 3 > 1 : 2$ Hence year 1995 is the correct answer.

100. (c); Sale : Capital in 1995 = 500 : 150 = 10 : 3

$$\text{Sale:Capital in 1996} = 300 : 150 = 2 : 1$$

$$\text{Sale : Capital in 1997} = 500 : 200 = 5 : 2$$

$$\text{Sale : Capital in 1998} = 800 : 200 = 4 : 1$$

Least ratio is 2 : 1, which occurred in the year 1996

151. D. 152. B. 153. C. 154. C. 155. A.
156. C. Mend- to rectify
Implore- request
157. B. Catnap- booze
Peruse- examine
Beseech- Implore, request
Vocation-Occupation
158. A. Tinsel-loud
Rational-logical
Querulous- complaining in a rather petulant or whining manner
159. C. Extricate- to free
Gambol-frisk
Devise- to ponder, to think, mull over
160. D. Mulish- obstinate, recalcitrant
Benign- Polite, Decent
Fanatic- Bigot, Zealot, Extremist
Docile- obedient
161. A. Prominent-Salient, main
Intrepid- audacious
Prosaic- Mundane, Tedious
Exalted- very pleasant
162. C. Rag- a piece of old torn cloth
Nostrum- a parent medicine, quick remedy
Heretic- a person holding an opinion at odds with what is generally accepted
163. D. Recalcitrant-Not moved by entreaty, obstinate
Bohemian- a socially unconventional person, especially one who is involved in the arts
Iconoclast- a person who attacks or criticizes cherished beliefs or institutions
164. A. Insolence- rude and disrespectful behavior
Supercilious- arrogant, haughty, conceited, disdainful
165. B. Cacography- bad handwriting or spelling
Cryptography- the art of writing or solving codes
Chorography-the systematic description and mapping of particular regions
166. C. Banshee- a female spirit whose wailing warns of a death in a house
At sea- confused
Doldrums-in a state of depression
167. A. Transmigration- movement of a soul into another body after death
Transmogrification-To change thoroughly, as into a different shape or form
168. C. Ethos- the characteristic spirit of a culture, era, or community
Eugenics- a science that deals with the improvement of hereditary qualities of a race or Breed
Elite- the richest, most powerful, best-educated, or best-trained group in a society
169. A. Facsimile- a copy of something

170. B. Permissible- which can be permitted
 171. A. Out and out- completely
 172. D. A noun is needed here
 173. A.
 174. A. With the exception of- except, not including
 175. C.
 176. C. use 'interferes' in place of interfere
 177. C. Replace 'it' by 'them' look into them (things)
 178. A. replace 'don't you' with 'you don't' (affirmative sentence)
 179. B. use 'in' before the same way (others 'in' the same way)
 180. B. use article 'a' before morning walk (a morning walk)
 181. B. Transpired-happened (no need of passive sentence)
 182. B. Come of age- become adult
 183. C. Here+ helping verb+ Object
 184. C. Last long- till long time
 185. C. For one- specially
 186. D. Tailor-made-adjusted, customized (no need of improvement)
 187. C.
 188. C. Whereupon- immediately after which
 189. C.
 190. B. Selection from many makes sentence of a superlative degree
 191. D. 192. C. 193. D. 194. B.
 195. A. 196. D. 197. D. 198. A.
 199. A. 200. C.

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SBI/IBPS PO 2016 – PRELIMS : PRACTICE SET

REASONING ABILITY

Directions (1-5): Study the following information and answer the question:

Seven friends namely Jensen Ackles, Charlene Choi, Jason Marsden, Senjen Ackles, Cherie Chung, Chuge Liang and Chang Chen perform different Shakespearean plays namely, Cymbeline, Coriolanus, Timon of Athens, Titus Andronious, Tempest, Troilus and Cressida and Pericles but not necessarily in the same order. Each friend has an audition on different dates of the same month namely fifth, ninth, eleventh, seventeenth, twentieth, twenty fourth and twenty seventh but not necessarily in the same order.

Chuge Liang has an audition on seventeenth and performs neither Tempest nor Titus Andronious. The one who performs Cymbeline has an audition on the fifth. Jason Marsden performs Timon of Athens and neither has an audition on the ninth nor on the twenty fourth. Cherie Chung has an audition on the twentieth and does not perform Titus Andronious. The one who has an audition on the ninth performs neither Tempest nor Titus Andronious. The one who performs Pericles has an audition on eleventh. Jensen Ackles has an audition neither on fifth nor on

twenty seventh and does not perform Pericles or Titus Andronious. The one who has an audition on ninth does not perform Troilus and Cressida. Chang Chen does not perform Cymbeline and does not have an audition on twenty fourth. Charlene Choi does not perform Cymbeline.

- On which of the following day does Jensen Ackles perform?
 - The day on which Titus Andronious is being performed.
 - The day on which Cymbeline is being performed.
 - The day on which Troilus and Cressida is being performed.
 - The day on which Coriolanus is being performed.
 - None of these.
- Four of the following five form a group as per the given arrangement. Which of the following does not belong to that group?
 - Senjen Ackles – fifth
 - Cherie Chung – twentieth
 - Charlene Choi – Twenty fourth
 - Chuge Liang – Seventeenth
 - Jason Marsden – Eleventh

3. Which of the following combination is definitely correct?
 (a) Chuge Liang – Coriolanus
 (b) Charlene Choi – Pericles
 (c) Chang Chen – Titus Andronious
 (d) Senjen Ackles – Cymbeline
 (e) All the given combination are definitely correct
4. Which of the following person plays ‘Titus Andronious’?
 (a) The person who performed on ninth.
 (b) The person who performed on twenty fourth.
 (c) The person who performed on twenty seventh.
 (d) The person who performed on fifth.
 (e) The person who performed on twentieth.
5. Which among the following play is performed by ‘Chuge Liang’?
 (a) Coriolanus (b) Troilus and Cressida
 (c) Tempest (d) Titus Andronious
 (e) None of these

Direction (6–10): Study the information carefully and answer the given question.

Rita, Rina, Rima, Riya, Ripa, Rupa, Runi and Rupam are sitting around a circular area of equal distances between each other, but not necessarily in the same order. Some of the people are facing the centre while some face outside. (i.e., in a direction opposite to the centre).

(Note : Same direction means if one person is facing the centre then the other also faces the centre and vice-versa. Opposite direction means that if one person is facing the centre then the other faces outside and vice-versa.)

Riya sits third to the right of Rina. Ripa sits second to the left of Rina. Immediate neighbours of Rina face the same direction (i.e., if one neighbour faces the centre the other neighbour also faces the centre and vice-versa) Rima sits second to the left of Ripa. Ripa faces the centre. Rupa sits third to the right of Rima. Runi sits second to the left of Rupam. Rupam is not an immediate neighbour of Rina. Runi faces the same direction as Riya. Immediate neighbours of Ripa face opposite directions (i.e., if one neighbour faces the centre the other neighbour faces outside and vice-versa). Immediate neighbours of Rupa face opposite directions (i.e., if one neighbour faces the centre the other neighbour face outside and vice-versa).

6. How many people in the given arrangement face the centre?
 (a) Two (b) Three (c) One
 (d) Four (e) Five
7. Which of the following is TRUE regarding Rita as per the given seating arrangement ?
 (a) Rupam sits second to the left of Rita
 (b) Rita faces outside
 (c) Only two people sit between Rita and Rina
 (d) Rima is one of the immediate neighbours of Rita
 (e) Only three people sit between Rita and Runi

8. Four of the following five are alike in a certain way based on the given seating arrangement and so form a group. Which is the one that does not belong to that group ?
 (a) Rupa (b) Rina (c) Rupam
 (d) Runi (e) Riya
9. What is Ripa’s position with respect to Rupam?
 (a) Third to the left (b) To the immediate left
 (c) To the immediate right (d) Second to the right
 (e) Third to the right
10. Who sits fourth to the right of the person who is second to the right from Runi?
 (a) Rupam (b) Rita (c) Rina
 (d) Other than those given as options (e) Rupa

Direction (11-15): In this question, two/three statements followed by two conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance from the commonly facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

11. Statements :

Some birds are animals. Some animals are black.
 No black is a white.

Conclusions : I. At least some black are birds.

II. All whites being animals is a possibility.

- (a) Only conclusion I is true
 (b) Only conclusion II is true
 (c) Either conclusion I or II is true
 (d) Both conclusion I and II are true
 (e) Neither conclusion I nor II is true

12. Statements :

No houses are villages. All villages are towns.
 All towns are cities.

Conclusions : I. All villages are cities.

II. All towns can never be houses.

- (a) Only conclusion I is true
 (b) Only conclusion II is true
 (c) Either conclusion I or II is true
 (d) Both conclusion I and II are true
 (e) Neither conclusion I nor II is true

13. Statements : Some donkeys are monkeys.

No monkey is a dog. Some dogs are cats.

Conclusions : I. At least some cats are donkeys.

II. No monkey is a cat.

- (a) Only conclusion I is true
 (b) Only conclusion II is true
 (c) Either conclusion I or II is true
 (d) Both conclusion I and II are true
 (e) Neither conclusion I nor II is true

14. Statements : Some politicians are ministers.

Some ministers are socialists. No socialist is a pioneer.

Conclusions : I. No minister is a pioneer.

II. No pioneer is a politician.

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusions I or II is true
- (d) Both conclusion I and II are true
- (e) Neither conclusion I nor II is true

15. **Statements** : Some plants are papers.

All papers are pages.

Conclusions : I. All papers being plants is possibility.

II. At least some pages are plants.

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusions I or II is true
- (d) Both conclusion I and II are true
- (e) Neither conclusion I nor II is true

Directions (16–20) : In this question, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statement and select the appropriate answer.

16. **Statements** : $L = P \leq W < V \leq K \geq Q$; $B < L$; $K = M$

Conclusions : I. $B < V$ II. $M > P$

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Both conclusion I and II are true
- (e) Neither conclusion I nor II is true

17. **Statements** : $L = P \leq W < V \leq K \geq Q$; $B < L$; $K = M$

Conclusions : I. $L \geq Q$ II. $W = M$

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Both conclusion I and II are true
- (e) Neither conclusion I nor II is true

18. **Statements** : $R \leq U = B < S$; $B \leq X$

Conclusions : I. $X > R$ II. $X = R$

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Both conclusion I and II are true
- (e) Neither conclusion I nor II is true

19. **Statements** : $C > U \leq S < T = O > D \geq Y$; $Z = O \leq P$

Conclusions : I. $U > D$ II. $S < P$

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Both conclusion I and II are true
- (e) Neither conclusion I nor II is true

20. **Statements** : $C > U \leq S < T = O > D \geq Y$; $Z = O \leq P$

Conclusions : I. $Z > Y$ II. $C < O$

- (a) Only conclusion I is true
- (b) Only conclusion II is true

- (c) Either conclusion I or II is true
- (d) Both conclusion I and II are true
- (e) Neither conclusion I nor II is true

Direction (21–25): Study the given information carefully to answer the given question.

Jabrayilov, Jabnidze, Jablonsky, Jackiewicz, Jackman, Jackmot and Jacson live on seven different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and soon till the topmost floor is numbered seven. Each one of them also likes different games namely -Wordfeud, Wordament, Wordtris, Wonderking, Word Jong, Wolfenstein and Wizorb (but not necessarily in the same order.)

Only three people live between Jabnidze and Jackman. Jabnidze lives on one of the floors above Jackman. Jackman does not live on the lowermost floor. Only one person lives between Jabnidze and the one who like Wordtris. The one who likes Wizorb lives on one of the even numbered floors above the one who like Wordtris.

Only two people live between Jacson and the one who like Wordtris. The one who likes Wordfeud lives immediately above Jacson. Jabrayilov lives immediately above Jacmot. Jabrayilov does not like Wordtris.

The one who likes Wonderking lives on one of the odd numbered floors below Jacmot. Jacson does not like Wonderking. Jackiewicz lives on one of the Floors above Jablonsky. Only one person lives between the one who likes Word Jong and the one who likes Wolfenstein. Jackiewicz does not like Word Jong. Jacson does not like Wordament.

21. Which of the following game does Jabnidze like?

- (a) Wordfeud (b)Wizorb (c) Wolfenstein
- (d) Wordament (e) Wonderking

22. Who amongst the following lives on the floor numbered 4?

- (a)The one who likes Wolfenstein
- (b)The one who likes Wordtris
- (c) The one who likes Wizorb
- (d) The one who likes Wordfeud
- (e) The one who likes Wordament

23. Which of the following statements is true with respect to the given arrangement?

- (a) Only two people live between Jacman and Jacson
- (b) The one who likes Wolfenstein lives immediately above Jacman
- (c) Jablonsky likes Wordtris
- (d) Jablonsky lives on an even numbered floor
- (e) None of the given options is true

24. If all the people are made to sit in alphabetical order from top to bottom, the positions of how many people will remain unchanged?

- (a) None (b) Three (c) Two
- (d) One (e) Four

25. Which of the following combinations is true with respect to the given arrangement?
 (a) Wizorb-Jablonsky (b) Wonderking-Jabnidze
 (c) Word Jong-Jacman (d) Wordfeud-Jabrayilov (e) Wordtris-Jacmot
- Directions (26–30):** Study the given information carefully to answer the given question.
 In a certain code language,
 'efforts required in teaching' is written as 'dp kj te hy'
 'teaching kids is tough' is written as 'dp op cs mb'
 'kids heart is huge' is written as 'cs re mb gr'
 'task required huge efforts' is written as 'hy kj re ba'
 (All codes are two letter codes only.)
26. In the given code language, what does the code 'kj' stand for?
 (a) in (b) either 'required' or 'efforts'
 (c) either 'huge' or 'kids' (d) task (e) huge
27. What is the code for 'teaching' in the given code language?
 (a) hy (b) te (c) op (d) other than those given as options (e) kj
28. What is the code for 'kids' in the given code language?
 (a) either 'mb' or 'cs' (b) either 'op' or 'cs' (c) dp (d) other than those given as options (e) re
29. What will be the code for 'in task' in the given code language?
 (a) te hy (b) dp kj (c) ba kj (d) ba te (e) other than those given as options
30. What may be the possible code for 'quite tough heart' in the given code language?
 (a) uc ba re (b) gr uc re (c) op uc gr (d) op kj hy (e) op gr kj
31. How many such pairs of letters are there in the word 'PERFORATE' each of which has as many letters between them in the word as in the English alphabet?
 (a) None (b) One (c) Two (d) Three (e) Four
32. Among Zabel, Zaahir, Zabulon, Zaccheus and Zadok, who is the shortest? Zabel is shorter than only Zadok. Zaahir is taller than Zaccheus and Zabulon. If they are arranged in ascending order of their heights from left to right then Zaccheus is second from the left.
 (a) Zabel (b) Zaahir (c) Zabulon (d) Zaccheus (e) Can't be determined.
33. Pointing to a girl, Mithilesh said, "She is the only daughter of my grandfather's only child". How is the girl related to Mithilesh?
 (a) Daughter (b) Niece (c) Sister (d) Data inadequate (e) None of these
- Directions (34–35):** Read the given information carefully and answer the given question.
 Aakash is 9 m to the south of Aakansha. Aakansha is 5 m to the east of Aamir. Aamir is 4 m to the north of Aaditya. Aadesh is 3 m west of Aaditya. Anand is 7 m south of Aadesh. Arman is 8 m east of Anand.
34. If Anshuman is 5 m to the west of point Aakash, then what is the distance between Aaditya and Anshuman?
 (a) 8 m (b) 9 m (c) 5 m (d) 2 m (e) 6 m
35. How far and in which direction is Aakansha from Arman?
 (a) 11 m to the south (b) 7 m to the north (c) 11 m to the north (d) 7 m to the south (e) 11 m to the west

QUANT

Directions (Q. 36-40): What will come in place of question mark (?) in the following questions?

36. 6 9 15 27 51 ?
 (a) 84 (b) 99 (c) 123 (d) 75 (e) None of these
37. 7 8 18 ? 232 1165
 (a) 84 (b) 42 (c) 57 (d) 36 (e) None of these
38. 9 19 40 83 ? 345 696
 (a) 162 (b) 170 (c) 175 (d) 166 (e) None of these
39. 62 87 187 412 812 (?)
 (a) 1012 (b) 1437 (c) 1337 (d) 1457 (e) None of these
40. 9 62 ? 1854 7415 22244
 (a) 433 (b) 309 (c) 406 (d) 371 (e) None of these

Directions (41-45): 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 $x > y$
 (c) if $x \leq y$ (d) if $x \geq y$
 (e) if $x = y$ or no relation can be established
41. I. $16x^2 + 20x + 6 = 0$ II. $10y^2 + 38y + 24 = 0$
 42. I. $18x^2 + 18x + 4 = 0$ II. $12y^2 + 29y + 14 = 0$
 43. I. $10x^2 - 7x + 1 = 0$ II. $35y^2 - 12y + 1 = 0$
 44. I. $2x^2 + 3x - 20 = 0$ II. $2y^2 + 19y + 44 = 0$
 45. I. $x^2 - 11x + 24 = 0$ II. $2y^2 - 9y + 9 = 0$
46. An item was sold at a profit of $6\frac{2}{3}\%$ at Rs 224 after allowing a discount of 36% on marked price. If the item is sold at the marked price, then find the profit percentage.
 (a) $66\frac{2}{3}$ (b) 40 (c) 36 (d) 60 (e) None of these

47. Profit earned by an organization is distributed among officers and clerks in the ratio of 5 : 3. If the number of officers is 45 and the number of clerks is 80 and the amount received by each officer is Rs. 25,000, what was the total amount of profit earned?
 (a) Rs. 22 Lakhs (b) Rs. 18.25 Lakhs (c) Rs. 18 Lakhs
 (d) Rs. 23.25 Lakhs (e) None of these
48. 8 men and 4 women together can complete a piece of work in 6 days. Work done by a man in one day is double the work done by a woman is one day. If 8 men and 4 women started working and after 2 days, 4 men left and 4 new women joined. In how many more days will the work be completed?
 (a) 5 days (b) 8 days (c) 6 days
 (d) 4 days (e) None of these
49. A motor-boat, travelling at the same speed, can cover 25 Km upstream and 39 Km downstream in 8 hours. At the same speed, it can travel 35 Km upstream and 52 Km downstream in 11 hours. The speed of the stream is:
 (a) 2 Km/h (b) 3 Km/h (c) 4 Km/h
 (d) 5 Km/h (e) None of these
50. In a laboratory, two bottles contain mixture of acid and water in the ratio 2 : 5 in the first bottle and 7 : 3 in the second. The ratio in which the contents of these two bottles be mixed such that the new mixture has acid and water in the ratio 2 : 3 is:
 (a) 4 : 15 (b) 9 : 8 (c) 21 : 8
 (d) 1 : 2 (e) None of these
51. In a class, there are 32 boys and 28 girls. The average age of the boys in the class is 14 years, and the average age of the girls in the class is 13 years. What is the average age of the whole class?
 (a) 13.50 (b) 13.53 (c) 12.51
 (d) 13.42 (e) 13.61
52. Mr. Mittal invested Rs. 20000 with rate of interest @ 20% per annum. The interest was compounded half yearly for first one year and in the next year it was compounded yearly. What will be the total interest earned at the end of two years?
 (a) Rs. 8800 (b) Rs. 9040 (c) Rs. 8040
 (d) Rs. 9800 (e) None of these
53. Twelve per cent of Dheeraj's monthly salary is equal to sixteen per cent of Nancy's monthly salary. Rajesh's monthly salary is half that of Nancy's monthly salary. If Rajesh's annual salary is Rs. 1.08 lakh, what is Dheeraj's monthly salary?
 (a) Rs. 20,000 (b) Rs. 18,000 (c) Rs. 26,000
 (d) Rs. 24,000 (e) None of these
54. Deepak walks from Shastri Nagar to Shanti Nagar and back in a certain time at the rate of $3\frac{1}{2}$ Km/h. But, if he had walked from Shastri Nagar to Shanti Nagar at the rate of 3 Km/h and back from Shanti Nagar to Shastri Nagar at the rate of 4

Km/h., he would have taken 10 minutes longer. The distance between Shastri Nagar and Shanti Nagar is:

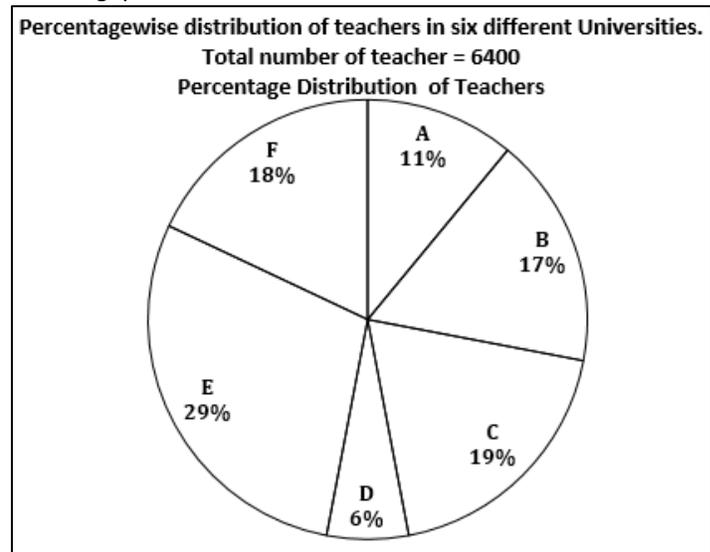
- (a) 28 Km (b) 25 Km (c) 40 Km
 (d) 14 km (e) None of these

55. A garden is 24 m long and 14 m wide. There is a path 1 m wide outside the garden along its sides. If the path is to be constructed with square marble tiles 20 cm × 20 cm, then find the number of tiles required to cover the path:
 (a) 1800 (b) 200 (c) 2000
 (d) 2150 (e) None of these

Directions (56-60): What will come in the place of question mark (?) in the following questions?

56. $(21)^2 - 3717 \div 59 = ? \times 8$
 (a) 43.75 (b) 42.25 (c) 45.75
 (d) 47.25 (e) None of these
57. $2\frac{1}{2} - 1\frac{1}{16} = ? + 1\frac{1}{32} - 1\frac{9}{64}$
 (a) $2\frac{9}{32}$ (b) $1\frac{9}{64}$ (c) $2\frac{5}{32}$
 (d) $1\frac{11}{64}$ (e) None of these
58. $(0.64)^4 \div (0.512)^3 \times (0.8)^4 = (0.8)^{2+3}$
 (a) 5 (b) 12 (c) 0
 (d) 6 (e) None of these
59. $\sqrt{15^2 \times 12 \div 9 - 125 + 21} = ?$
 (a) 18 (b) 24 (c) 196
 (d) 56 (e) 14
60. $\frac{3}{7}$ of 329 + $\frac{4}{11}$ of 2530 = $\sqrt{?} + 894$
 (a) 28899 (b) 29899 (c) 27789
 (d) 27889 (e) None of these

Directions (61-65): Study the following pie-chart and answer the following questions.



Note: If teacher of university F get salary Rs. 96,000 each, salary of teacher of A is 23% more than to teacher of F. Salary of teacher C is $\frac{1}{8}$ of salary of teacher of A

Salary of teacher D is $\frac{4}{5}$ of salary of teacher C

Salary of teacher C, B and E are in ratio of 5 : 7 : 3

61. The number of teachers in University B is approximately what percent less of the total number of teachers in University D and University E together?

- a) $105\frac{15}{17}$ b) $51\frac{3}{7}$ c) $55\frac{2}{7}$
 d) $54\frac{3}{5}$ e) None of these

62. If twenty five per cent of the teachers in University C are females, what is the total salary of male teachers in University C? (Salary of male teacher = salary of female teacher)

- a) 13461120 b) 13261320 c) 13851480
 d) 14451280 e) None of these

63. The difference between the total number of teacher in University A, University B and University C together and the total number of teachers in University D, University E and University F together is exactly equal to the number of teachers of which University?

- a) University A b) University B c) University C
 d) University D e) University F

64. Amount required to distribute salary to teachers of University C and D

- a) Rs. 2,24,82,437 b) Rs. 2,24,83,247c) Rs. 2,42,83,247
 d) Rs. 2,34,82,437 e) Rs. 2,24,82,432

65. Salary of Teacher of University C is by what percent more or less than the Salary of Teacher E.

- a) 66.667% b) 67.776% c) 66.776%
 d) 67.667% e) None of these

Directions (66-70): Given below is the table showing income, expenditure and profit percentage of company A from 2007-2012.

Years	Income	Expenditure	Profit%
-------	--------	-------------	---------

2007	103.824	—	12%
2008	—	83.8	25%
2009	95.76	84	—
2010	113.28	—	20%
2011	133.1	110	—
2012	121.6	—	—

NOTE: Income and expenditure are in million rupees.

66. If percentage increase in profit percent in year 2012 in comparison to previous year is $33\frac{1}{3}\%$. Then find the expenditure of the company in 2012.

- (a) 94 million (b) 95 million (c) 99 million
 (d) 81 million (e) None of these

67. Expenditure in 2007 is what percent more or less then the expenditure in 2010? (round off to 2 decimal places)

- (a) 1.6% more (b) 1.6% less (c) 1.8% more
 (d) 1.8% less (e) None of these

68. What is average expenditure of the company from year 2007 to 2011?

- (a) 91.98 million (b) 92.88 million (c) 93.98 million
 (d) 90.88 million (e) None of these

69. Find the approx percent profit of company till 2011 taking total expenditure and total income till the end of 2011 together.

- (a) 15 (b) 18 (c) 25
 (d) 28 (e) 31

70. If expenditure was increased by 20% in year 2007 in comparison to previous year, and profit percentage in the previous year was 25% less than the profit percentage in 2007 then find the income in 2006.

- (a) 84.2025 million (b) 85.625 million
 (c) 81.2425 million
 (d) 83.225 million (e) None of these

ENGLISH LANGUAGE

Directions (71-80): Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you locate them while answering some of the questions.

The Global Nutrition Report (GNR) and India Health Report on Nutrition, 2015 (IHR), offer a critical analysis of the state of nutrition in India. The first report, the India Health Report: Nutrition 2015(IHR), provides easy-to-understand, State-wise data dashboards that give a comprehensive view of nutrition and its determinants. It looks at disparities in these outcomes and their multiple determinants across geographical regions, socio-economic classes, and demographic groups to help identify strategic choices for policy-making at the State level.

In turn, GNR assesses progress in reducing malnutrition for all 193 countries. It concludes that while India is on track to meeting

only two of the eight global targets on nutrition, it has significantly improved its nutrition performance in the past 10 years. GNR notes that there has been a big increase in the number of countries on track to meet global nutrition targets, and encourages countries, including India, to establish specific and time-bound targets for malnutrition reduction that are consistent with the new Sustainable Development Goals. Together, these reports paint several pictures about India, a data-poor country. They portray one of great progress in improving nutrition across India; stunting among children, a marker of the most **persistent** types of malnutrition, has declined rapidly in the last ten years. And this decline has been faster than in many other countries. But as we dig deeper, there are **diverse** pictures about the life conditions of Indian children — positive stories about children’s lives and futures in Goa, Kerala, Manipur and Tamil

Nadu, but dismal ones in Bihar, Jharkhand and Uttar Pradesh. What cannot be debated is the reality of deep, systemic inequality; of inequality in the circumstances that children are born into, that they live and grow in. For those of us who are worried about India's economic growth, these are also pictures of inequality that point to how well these children will be able to contribute to India's economic growth and their own prosperity. Their poor nutrition stunts more than their bodies. It stunts their well-being, and, consequentially, that of their home States and their nation. Two other things, both related to inequality, stand out as well in the data. First, the data point to tremendous variability across States in delivering what should be universal, rights-based and already **mandated** health and nutrition services. For example, sample this for intra-State disparity. Food provided by the Integrated Child Development Services reaches barely 1 in 5 children in Uttar Pradesh but over 90 per cent in Odisha. Less than 33 per cent of children in Nagaland are fully immunised; in Goa, it is more than 90 per cent. Close to 80 per cent defecate in the open in Odisha; barely 2 per cent do so in Kerala. Why?

These are disparities across States that operate in the same national framework, and there is, let's face it, no good reason for this other than an inability or an unwillingness to invest in changing ground realities, for everyone and everywhere. This is not an insurmountable challenge and it's certainly an area where States can, if they want it, make dramatic change in short timeframes. Examples abound from within India. The data in the reports show that, clearly, the **imperative** for introspection, and looking within for solutions was never clearer. No child should go without basic health care, food security and things like water and a toilet. Indeed, no adult should either. No society should **condone** such inequalities in the basics. And no society has progressed without addressing these basics.

- 71.** What are the disparities that states are facing in the national framework?
- I. Health and nutrition services
 - II. Variable food services
 - III. Inequality in education
- 1) III
 - 2) II & III
 - 3) I & II
 - 4) I, II & III
 - 5) none of the above
- 72.** The Global Nutrition Report focuses mainly on the
- 1) Sustainable Development Goals
 - 2) comprehensive view of nutrition and its determinants
 - 3) India's economic growth
 - 4) Intra-State variability
 - 5) Progress in reducing malnutrition
- 73.** Which of the following would be the suitable title?
- 1) State of nutrition in India
 - 2) Global nutrition targets
 - 3) Nutrition and its determinants
 - 4) Progressive India
 - 5) Inequality: A big challenge

- 74.** According to author what is the biggest challenge that India is facing?

- 1) Reducing progress in malnutrition
- 2) Inability to invest in education and health services
- 3) unwillingness and inability to invest in basic facilities
- 4) High global nutrition targets
- 5) None of these

- 75.** What is NOT TRUE according to the above passage?

- I. Food provided by ICDS reaches to only few children in UP.
 - II. Nearly 80 percent defecate in the open in West Bengal.
 - III. Less than 33 percent children in Nagaland are immunised.
- 1) III & II
 - 2) I, II & III
 - 3) I & II
 - 4) I & III
 - 5) II only

Directions (76-78): Choose the word which is most OPPOSITE in meaning of the word printed in bold as used in the passage.

76. Persistent

- 1) assiduous
- 2) unrelenting
- 3) interrupted
- 4) fixed
- 5) dogged

77. Diverse

- 1) varied
- 2) assorted
- 3) separate
- 4) similar
- 5) distant

78. Mandate

- 1) edict
- 2) bidding
- 3) order
- 4) abide
- 5) breach

Directions (79- 80): Choose the word which is most similar in meaning of the word printed in bold as used in the passage

79. Imperative

- 1) trivial
- 2) free
- 3) obligatory
- 4) avoidable
- 5) assured

80. Condone

- 1) condemn
- 2) forbid
- 3) regard
- 4) forgive
- 5) censure

Directions (81-85): 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.

81. Which of the following should be the **FIRST** sentence after rearrangement?
 (1) A (2) B (3) C (4) D (5) E
82. Which of the following should be the **SECOND** sentence after rearrangement?
 (1) E (2) D (3) C (4) B (5) A
83. Which of the following should be the **THIRD** sentence after rearrangement?
 (1) A (2) B (3) C (4) D (5) E
84. Which of the following should be the **FOURTH** sentence after rearrangement?
 (1) E (2) D (3) C (4) B (5) A
85. Which of the following should be the **FIFTH** sentence after rearrangement?
 (1) A (2) B (3) C (4) D (5) E

Directions (86-90): Read each sentence to find out whether there is any grammatical error in it. The error if any will be in one part of the sentence, the number of that part will be the answer. If there is 'No error', mark (5) as the answer. (Ignore errors of punctuation, if any.)

86. Angered over the delay in giving compensation, (1)/ factory workers shouted (2)/slogans against the president (3)/ when he reaches the office. (4)/No error (5)
87. The cascading effect of economic slowdown (1)/ has brought a much unnerving gloom (2)/ to the real estate industry last year (3)/ but the industry is looking up this year. (4)/ No error (5)
88. A recycling plant in close proximity to (1)/the residential area can pose (2)/ serious threats from residents (3)/by leaving behind persistent pollutants. (4)/ No error (5)
89. The government has the obligation (1)/ to provide basic infrastructure facilities (2)/ to regulating the process of (3)/ urbanization in the country. (4)/ No error (5)
90. Bharatpur is transforming into (1)/ India's most fastest growing bird sanctuary (2)/ attracting thousands of rare migratory birds (3)/ from Europe and Siberia. (4)/ No error (5)

Directions (91-95): 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.

91. Owners of private hostels located in residential areas are not only..... taxes, but are also functioning whimsically in the of any regulatory body.
 (1)avoiding; front (2) paying; absence
 (3) checking; dearth (4) evading; absence
 (5) destroying; life
92. Contractors across the state have..... to stop work on the scheme after the Minister failed to given them concrete of timely payment.

- (1) thought; prove (2) decided; assurance
 (3) wished; demand (4) started; guarantee
 (5)determined; promise
93. Every third person visiting a doctor happens to from a clinical or psychological disorder with tremblors.
 (1) ail; regarding (2) sick; related
 (3) suffer; associated (4) agonise; respect
 (5) experience; connected
94. makes the actress' trip to the country different this year is that she is to raise funds for the biopic of a literary icon.
 (1) It; aiming (2) Which; trying
 (3) This; attempting (4) What; looking
 (5) How; waiting
95. it out in vehicles while remaining stuck in a traffic snarl for hours, has become a matter for commuters.
 (1) Sweating; routine (2) Waiting; everyday
 (3) Thinking; regular (4) Harrowing; habitual
 (5) Fretting; practice

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 fills the blanks appropriately, Find out the appropriate word in each case.

A system of education, which helps to prepare a man to earn his livelihood and (96) his family to the best of his ability, is extremely important. Education, however, has another vital responsibility, and that is to prepare a man to (97) life itself, and all its struggles, problems and joys with a calm (98) to be able to make quick decisions when a crisis arises, and to decide what action should be taken without too much delay. If education can train a man in reliability and make him trustworthy and guide in him the (99) of leadership it will have achieved the means of making his life worthwhile. Such a type of education is only an ideal and (100) not yet so designed, but should be the aim of the architects of the system to achieve this goal.

96. (1) feed (2) give (3) educate
 (4) support (5) co-operate
97. (1) lead (2) make (3) survive
 (4) compare (5) face
98. (1) state (2) thinking (3) mind
 (4) action (5) trial
99. (1) causes (2) tips (3) path
 (4) advantages (5) process
100. (1) formally (2) unfortunately (3) luckily
 (4) informally (5) fortunately

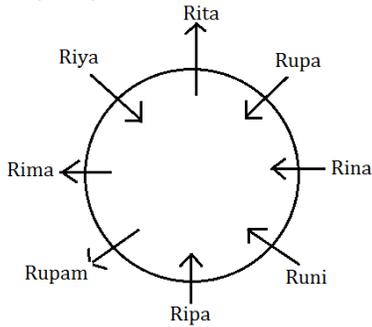
Solutions:

Direction (1-5)

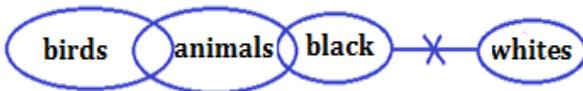
PERSONS	PLAYS	DATES OF MONTH
Chuge Liang	Troilus and Cressida	17 th
Senjen Ackles	Cymbeline	5 th
Jason Marsden	Timon of Athens	27 th
Cherie Chung	Tempest	20 th
Jensen Ackles	Coriolanus	9 th
Chang Chen	Pericles	11 th
Charlene Choi	Titus Andronicus	24 th

1. (d)
2. (e)
3. (d)
4. (b)
5. (b)

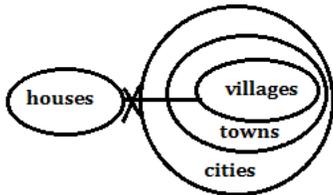
Direction (6-10)



6. (e)
7. (b)
8. (c)
9. (b)
10. (a)
11. (b)



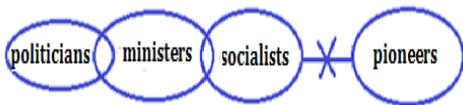
12. (d)



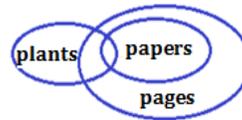
13. (e)



14. (e)



15. (d)



Direction (16-20)

16. (d) I. $B < L = P \leq W < V$ (TRUE)
II. $M = K \geq V > W \geq P$ (TRUE)
17. (e) I. $L = P \leq W < V \leq K \geq Q$ (FALSE)
II. $W < V \leq K = M$ (FALSE)
18. (c) I. $X \geq B = U \geq R$ (FALSE)
II. $X \geq B = U \geq R$ (FALSE)
19. (b) I. $U \leq S < T = O > D$ (FALSE)
II. $S < T = O \leq P$ (TRUE)
20. (a) I. $Z = O > D \geq Y$ (TRUE)
II. $C > U \leq S < T = O$ (FALSE)

Direction (21-25)

FLOOR	PERSONS	GAMES
7	Jabnidze	Wordament
6	Jabrayilov	Wizorb
5	Jackmot	Wordtris
4	Jackiewicz	Wolfenstein
3	Jackman	Wordfeud
2	Jacson	Word Jong
1	Jablonsky	Wonderking

21. (d)
22. (a)
23. (b)
24. (c)
25. (e)

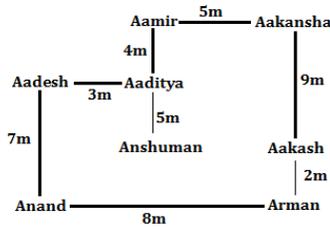
Direction (26-30)

- efforts → kj/hy
- required → hy/kj
- in → te
- teaching → dp
- kids → mb/cs
- is → mb/cs
- tough → op
- heart → gr
- huge → re
- task → ba

26. (b)
27. (d)
28. (a)
29. (d)
30. (c)
31. (c)

PERFORATE

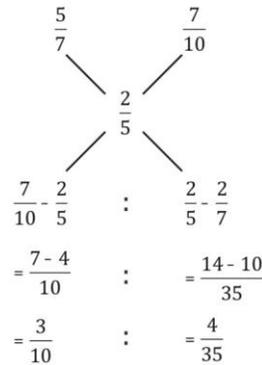
32. (c) Zabulon < Zaccheus < Zaahir < Zabel < Zadok
 33. (c)



34. (c)
 35. (c)
 36. (b); $+3, +(3 \times 2), +(6 \times 2), +(12 \times 2), +(24 \times 2)$
 $51 + (24 \times 2) = 51 + 48 = 99$
 37. (c); $\times 1 + 1, \times 2 + 2, \times 3 + 3, \times 4 + 4, \times 5 + 5$
 $18 \times 3 + 3 = 57$
 38. (b); $\times 2 + 1, \times 2 + 2, \times 2 + 3, \times 2 + 4, \times 2 + 5, \times 2 + 6$
 $83 \times 2 + 4 = 170$
 39. (b); $(25 \times 1^2), +(25 \times 2^2), +(25 \times 3^2), +(25 \times 4^2), +(25 \times 5^2)$
 $812 + (25 \times 5^2) = 812 + 625 = 1437$
 40. (d); $\times 7 - 1, \times 6 - 1, \times 5 - 1, \times 4 - 1, \times 3 - 1$
 $61 \times 6 - 1 = 372 - 1 = 371$
 41. (b); $x = \frac{-3}{4}, \frac{-1}{2}$
 $y = -3, \frac{-4}{5}$
 $x > y$
 42. (d); $x = \frac{-2}{3}, \frac{-1}{3}$
 $y = \frac{-7}{4}, \frac{-2}{3}$
 $x \geq y$
 43. (d); $x = \frac{1}{5}, \frac{1}{2}$
 $y = \frac{1}{7}, \frac{1}{5}$
 $x \geq y$
 44. (d); $x = -4, 2.5$
 $y = -5.5, -4$
 $x \geq y$
 45. (d); $x = 3, 8$
 $y = 3, 1.5$
 $x \geq y$
 46. (a); let cost price = $x, \frac{100+20}{100} \times x = 224, x = 210$
 Let Marked price = $y, \frac{100-36}{100} \times y = 224, y = 350$
 Profit percentage = $\frac{350-210}{210} \times 100 = 66 \frac{2}{3}\%$

47. (c); Part of profit distributed among officers = 45×25000
 Total profit = $\frac{1}{5} \times 45 \times 25000 \times 8$
 $= 18$ lakh
 48. (a); $(8M + 4W)6 = T$(i)
 $M = 2W$ (ii)
 From (i) and (ii)
 $(16W + 4W) \times 6 = T$
 $120W = T$
 $T = 60M$
 $(8M + 4W) \times 2 + (4M + 8W) \times t = T$
 $(8M + 2M) \times 2 + (4M + 4M) \times t = 60M$
 $20 + 8t = 60$
 $t = 5$ days
 49. (c); Let the upstream speed is U and downstream speed is D
 $\frac{25}{U} + \frac{39}{D} = 8$ (i)
 $\frac{35}{U} + \frac{52}{D} = 11$ (ii)
 $U = 5, D = 13$
 Speed of stream = $\frac{D-U}{2} = \frac{13-5}{2} = 4$ km/h.

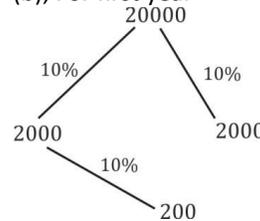
50. (c);



Required Ratio = $\frac{\frac{3}{10}}{\frac{4}{4}} = \frac{3}{10} \times \frac{35}{4} = \frac{21}{8}$

51. (b); Average = $\frac{32 \times 14 + 28 \times 13}{32 + 28} = \frac{448 + 364}{60} = 13.53$

52. (b); For first year



Amount end of the year = $20000 + 2000 + 2000 + 200 = 24200$

For second year $24200 \xrightarrow{20\%} 4840$
 Total interest = $4200 + 4840 = 9040$

53. (d); Nancy's annual Salary = $2 \times 1.08 = 2.16$ lakh
 Nancy's monthly salary = 18000
 Dheeraj's monthly income = $\frac{16}{12} \times 18000 = 24000$

54. (d); Let the distance between the Shastri Nagar and Shanti Nagar is d.

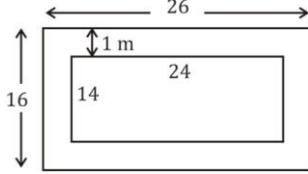
$$\frac{2d}{7} + \frac{10}{60} = \frac{d}{3} + \frac{d}{4}$$

$$\frac{4d}{7} + \frac{1}{6} = \frac{7d}{12}$$

$$\frac{1}{6} = \frac{7d}{12} - \frac{4d}{7} = \frac{d}{84}$$

$$d = 14 \text{ km}$$

55. (c);



$$\begin{aligned} \text{Area of path} &= 16 \times 26 - 14 \times 24 \\ &= 416 - 336 \\ &= 80 \text{ m}^2 \end{aligned}$$

$$\text{Number of Marble} = \frac{80 \times 100 \times 100}{20 \times 20} = 2000$$

56. (d); $441 - 63 = ? \times 8$

$$? = 47.25$$

57. (e); $\frac{23}{16} = ? - \frac{7}{64}$

$$? = \frac{23}{16} + \frac{7}{64} = \frac{92+7}{64}$$

$$? = \frac{99}{64} = 1 \frac{25}{64}$$

58. (c); $(0.8)^8 \times \frac{1}{(0.8)^9} \times (0.8)^4 = (0.8)^{2+3}$

$$(0.8)^3 = (0.8)^{2+3}$$

$$? = 0$$

59. (e); $\sqrt{15 \times 15 \times \frac{4}{3} - 125 + 21} = ?$

$$\sqrt{300 - 125 + 21} = ?$$

$$? = \sqrt{196} = 14$$

60. (d); $141 + 920 - 894 = \sqrt{?}$

$$\sqrt{?} = 167$$

$$? = 27889$$

61. (b); Required percentage = $\frac{35-17}{35} \times 100 = 51 \frac{3}{7}\%$

62. (a); Salary of Male teachers in University C = $\frac{19}{100} \times 6400 \times$

$$\frac{75}{100} \times 14760 = 13461120$$

63. (d); Difference between total number of teachers in University A, B and C together and University D, E and F together

$$= (6\% + 29\% + 18\%) - (11\% + 17\% + 19\%) = 6\% \text{ of total number of teacher}$$

$$= \text{Number of teacher in University D}$$

64. (e); Salary of Teacher of University C = 14760

$$\text{Salary of Teacher of University D} = 11808$$

$$\text{Amount} = 14760 \times \frac{19}{100} \times 6400 + 11808 \times \frac{6}{100} \times 6400$$

$$= 1,79,48,160 + 45,34,272$$

$$= 2,24,82,432$$

65. (a); Salary of Teacher C = 14760

$$\text{Salary of Teacher E} = 8856$$

$$\text{Required Percentage} = \frac{14760-8856}{8856} \times 100 = 66.667\%$$

66. (b); Profit percentage in year 2011 = $\frac{133.1-110}{110} \times 100 =$

$$21\%$$

$$\text{Profit percentage in 2012} = \frac{4}{3} \times 21 = 28\%$$

$$\text{Let expenditure in 2012} = x \text{ million.}$$

$$\frac{121.6-x}{x} \times 100 = 28, x=95 \text{ million}$$

67. (d); Let expenditure in 2007 = x

$$\frac{(103.824-x)}{x} \times 100 = 12$$

$$x = 92.7 \text{ million}$$

$$\text{Let expenditure in 2010} = y$$

$$\frac{(113.28-y)}{y} \times 100 = 20$$

$$y = 94.4 \text{ million}$$

$$\text{Required percentage} = \frac{(94.4-92.7)}{94.4} \times 100 = 1.8\% \text{ less}$$

68. (e); Average expenditure from 2007 to 2011 =

$$\frac{92.7+83.8+84+94.4+110}{5} = 92.98 \text{ million}$$

69. (b); Total expenditure till 2011 = 92.7 + 83.8 + 84 + 94.4 + 110 = 464.9 million

$$\text{Total income till 2011} = 103.824 + 104.75 + 95.76 + 113.28 + 113.1 = 550.714$$

$$\% \text{ profit} = \frac{(550.714-464.9)}{464.9} \times 100 \approx 18\%$$

70. (a); Let expenditure in 2006 = x

$$x \times \frac{120}{100} = 92.7, x = 77.25 \text{ million}$$

$$\text{Profit \% in 2006} = \frac{100-25}{100} \times 12 = 9\%$$

$$\text{Income in 2006} = \frac{(100+9)}{100} \times 77.25 = 84.2025 \text{ million}$$

71. (3); Refer to last part of second paragraph of the passage.

72. (5); Refer to second paragraph of the passage. 'GNR assesses progress in reducing malnutrition for all 193 countries.'

73. (1); State of nutrition in India

74. (3); Refer to last paragraph of the passage. 'no good reason for this other than an inability or an unwillingness to invest in changing ground realities, for everyone and everywhere.'

75. (5); II statement is not true. Refer to last sentence of second paragraph.

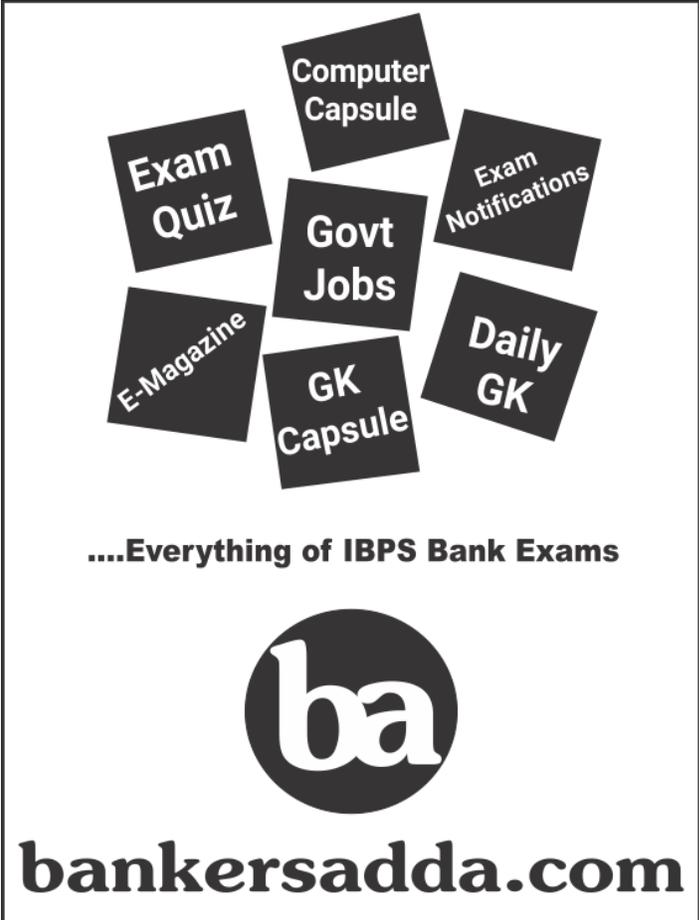
76. (3); **Persistent** means continuing to exist or occur over a prolonged period. So, interrupted is the word which is opposite in meaning to it.

77. (4); **Diverse** means showing a great deal of variety; very different. So, similar is the word which is opposite in meaning to it.

78. (5); **Mandate** means an official order or commission to do something. So, breach is the word which is opposite in meaning to it.

79. (3); **Imperative** means of vital importance; crucial. So, obligatory is the word which is similar in meaning to it.
80. (4); **Condone** means to forgive or approve (something that is considered wrong). So, forgive is the word which is similar in meaning to it.
For question (81-85); The correct sequence to form meaningful sequence is **BEDCA**.
81. (2); B
82. (1); E
83. (4); D
84. (3); C
85. (1); A
86. (4); The event shows past time. Hence, when he reached the office should be used.
87. (2); The event shows past time. Hence, Past Perfect should be used. Hence, had brought a much unnerving gloom should be used.
88. (3); The word 'threat' should be followed by 'to' here. Hence, serious threats to residents..... should be used.
89. (3); Change 'to regulating' to 'to regulate'.
90. (2); Here, use of double superlative is superfluous. Hence, India's fastest growing bird sanctuary..... should be used.
91. (4); 'evading' and 'absence' are suitable fillers.
Evade=to find a way of not doing something that is morally or legally required to be done.
Absence= the state of being away from a place or person.
92. (2); 'decided' and 'assurance' are suitable fillers.
Decided= having clear opinions.
Assurance= a positive declaration intended to give confidence.
93. (3); 'suffer; associated' are suitable fillers.
Suffer = experience or be subjected to (something bad or unpleasant).
Associated= connect (someone or something) with something else in one's mind.
94. (4); 'what' and 'looking' are suitable fillers.

95. (1); 'Sweating' and 'routine' are the suitable fillers.
Routine= a sequence of actions regularly followed.
96. (4)
97. (5)
98. (3)
99. (2)
100. (2)



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SBI PO-MAINS : PRACTICE SET

REASONING ABILITY & COMPUTER APTITUDE

Direction (1-5) : Study the following information carefully and answer the questions which follow—
7 classical dancers of different dance styles Aadya Kaktikar, Aditi Bandyopadhyay, Aruna Mohanty, Arpita Venkatesh, Alarmel Valli, Anita Babu and Anita Ratnam are participated in a dance competition one by one and secured different positions.

If a dancer performed at 1st or 5th or any other order, then that dancer cannot secure 1st or 5th or the same position.
Arpita Venkatesh has performed at third and secured below position than Anita Ratnam. The player, who performed at last, secured third position. The Player who performed at second, secured 6th position. Anita Babu secured better position than

Anita Ratnam, Arpita Venkatesh performed after Anita Ratnam, who secured better position than Aadya Kaktikar .

Alarmel Valli and Aruna Mohanty performed next to each other while Aruna Mohanty secured two position above than Alarmel Valli. Alarmel Valli secured better position than at least two players. Aditi Bandyopadhyay has performed immediate after Anita Babu but before Aruna Mohanty and secured better positions than Alarmel Valli and Aadya Kaktikar .

- Which player secured third position in the tournament?
 - Anita Ratnam
 - Anita Babu
 - Aruna Mohanty
 - Aditi Bandyopadhyay
 - Alarmel Valli
- Which of the following statement is definitely true?
 - Anita Babu secured 1st position and performed after three players
 - Alarmel Valli secured 5th position and performed at last
 - Aditi Bandyopadhyay secured 1st position and performed after four players
 - Aadya Kaktikar performed at second and secured 6th position
 - None of the above
- How many players have performed after Anita Babu ?
 - One
 - Two
 - Three
 - Four
 - Five
- How many players secured better position than Arpita Venkatesh ?
 - Three
 - Four
 - Five
 - Six
 - Two
- Which player secured fourth position in the tournament?
 - Alarmel Valli
 - Anita Ratnam
 - Aditi Bandyopadhyay
 - Aadya Kaktikar
 - none of these

Directions (6-10) : On the basis of the information given below, answer the following questions.

Naoki Okumura, Naoto Kan, Nikolai Nikiforov, Nripendra Misra, Nisar Ali Khan and Nicky Morgan are six head of the different space agencies viz. –ROSCOSMOS, ISRO, JAXA, SUPARCO, CNSA and ESA but not necessarily in the same order. Each agency has launched the different Satellite or missiles, viz Recovery satellite, Reconnaissance satellite, Tactical Ballistic Missile, Theatre Ballistic Missile, Tether Satellite and Research Satellite but not necessarily in the same order.

The head of all agencies are sitting around a circular table facing the Centre. The persons who have given their guidance for the launching of Theatre Ballistic Missile, Tactical Ballistic Missile and Tether Satellite are neither from ESA nor from ROSCOSMOS.

The persons who are from SUPARCO and ISRO have given their guidance neither for Theatre Ballistic Missile nor for Research Satellite . Naoki Okumura is neither from ESA nor sits on the immediate left of the person who has given the guidance

for the launching of Reconnaissance satellite. The only person who is between Nisar Ali Khan and Nicky Morgan, has given the guidance for the launching of Recovery satellite. The person who is on the left side of the person from ESA has not given the guidance for the launching of Research Satellite. Nripendra Misra has given the guidance for the launching of Reconnaissance satellite and is from ISRO. He is facing the person who has given the guidance the launching of Recovery satellite.

One who has given the guidance for the launching of Theatre Ballistic Missile is sitting opposite the person from CNSA, while the person from ISRO is on the left of the person who has given the guidance for the launching of Tether Satellite.

One who has given the guidance for the launching of Research Satellite is on the immediate right of the person from ESA but on the left of the person who has given the guidance for the launching of Tactical Ballistic Missile. Nikolai Nikiforov has not given the guidance for the launching of Tactical Ballistic Missile and Nicky Morgan has not given the guidance for the launching of Theatre Ballistic Missile.

- One who has given the guidance for the launching of Theatre Ballistic Missile is
 - On the immediate left of the person from SUPARCO
 - On the immediate right of the person from ESA
 - On the opposite of the person from CNSA
 - On the opposite of the person who has given the guidance for Tactical Ballistic Missile
 - Both (c) and (d)
- Who is sitting on third to the left of second to the right of the person from SUPARCO?
 - Naoki Okumura
 - Naoto Kan
 - Nikolai Nikiforov
 - Nripendra Misra
 - None of these
- The person who is between Nisar Ali Khan and Nripendra Misra is
 - Second to the left of the person from Roscosmos
 - Second to the right of the person from ESA
 - Fourth to the left of the person from CNSA
 - Second to the right of the person who has given the guidance for Research Satellite
 - None of these
- Who has given the guidance for the launching of Reconnaissance satellite?
 - The person who is sitting to the immediate left of Naoto Kan
 - The person who is sitting to the immediate right of Naoki Okumura
 - The person who is sitting opposite to the person who has given the guidance for the launching of Recovery satellite
 - The person from ESA
 - None of these

10. Who is sitting on the immediate right of the one who has given the guidance for the launching of Research Satellite?
 (a) Naoto Kan (b) Nicky Morgan (c) Nisar Ali Khan
 (d) Nripendra Misra (e) None of these

Directions (11-15) : Study the following information carefully and answer the questions which follow—

There are 10 terrorists Ayman-al-Zawahiri, Ahmed abdi Godane, Abu Muhammad al-Julani, Abu Bakr al-Baghdadi, Abubakar Shekau, Abu al-Rahman Mustafa, Abdul Rahman Yasin, Abdul Subhan Qureshi, Alamzeb Afridi and Abdul Razik Mansuri from different terrorist groups viz. ISIS, Indian mujahideen, Lashkar e-Taiba, Boko Haram, Al-Qaeda & Jaish e-Mohammed. They are standing in a row facing north. They have different types of weapons i.e., Hughes BGM-71, Hongjian HJ-8, Mosin-Nagant 1891, Humvee, Mikoyan MIG-23, Heckler & Koch G3 and Hwaseong-chong. One terrorist has only one weapon but there are two terrorist who use each of Hongjian HJ-8, Hwaseong-Chong and Heckler & Koch G3.

Abu al-Rahman Mustafa is to the immediate left of Abu Bakr al-Baghdadi, who is near to the person who uses Heckler & Koch G3. Alamzeb Afridi uses Mikoyan MIG-23 and seated third to the left of Abdul Rahman Yasin. Two persons who use same weapon are not standing together. Out of the two persons who are standing in the middle of the row, one of them is Abdul Rahman Yasin and another one is the person who uses Heckler & Koch G3, which is not used by Abdul Subhan Qureshi or Abu al-Rahman Mustafa. The person who uses Hughes BGM-71 is fifth to the right of the person who uses Hwaseong-chong, who is second to the left of Abdul Subhan Qureshi. The person who uses Humvee and the one who uses Hughes BGM-71 neither stand together nor at the end of the row but one of them is Abu Muhammad al-Julani, who is second to the left of Abdul Razik Mansuri. There are only two persons between the person who uses Hwaseong-chong and Alamzeb Afridi. There are four persons between Abubakar Shekau and the person who uses Mikoyan MIG-23. Ayman-al-Zawahiri uses Mosin-Nagant 1891 but does not sit near to Ahmed abdi Godane. The person who uses Hongjian HJ-8 is seated between the persons who uses Hwaseong-chong.

11. Who are standing at the end of the row?
 (a) Ahmed abdi Godane and Abdul Subhan Qureshi
 (b) Abu al-Rahman Mustafa and Ayman-al-Zawahiri
 (c) Abu Muhammad al-Julani and Alamzeb Afridi
 (d) Ayman-al-Zawahiri and Ahmed abdi Godane
 (e) Abu Bakr al-Baghdadi and Abdul Razik Mansuri
12. Which of the following statement/s is/are true about the given arrangement?
 (I) There are only two persons between the persons who uses Humvee and Hongjian HJ-8.
 (II) Abu Bakr al-Baghdadi uses Hwaseong-chong and sits to third from the left end.

(III) Abdul Razik Mansuri is neither use Mosin-Nagant 1891 nor Hwaseong-chong and does not stand on extreme end.
 (IV) the person who uses Hughes BGM-71 is only near the person who uses Hongjian HJ-8.

(V) Abu Bakr al-Baghdadi is on third place from Ahmed abdi Godane and Abubakar Shekau uses Hongjian HJ-8.

- (a) Only I, II and V (b) Only I, III and IV
 (c) Only III and V (d) Only I, II, III
 (e) None of these

13. Which of the following statement is true with respect to the given information?
 (a) Ahmed abdi Godane uses Heckler & Koch G3 while Abu al-Rahman Mustafa uses Mosin-Nagant 1891.
 (b) The person who uses Hughes BGM-71 is on sixth place from the person who uses Hwaseong-chong.
 (c) The person who uses Hwaseong-chong and the one who uses Humvee are standing on the extreme end of the row
 (d) The person who uses Mosin-Nagant 1891 is on third place from the person who uses Hughes BGM-71.
 (e) None of the above
14. Which of the following pair is correct?
 (a) Abu al-Rahman Mustafa – Hwaseong-chong
 (b) Abu Bakr al-Baghdadi – Mosin-Nagant 1891
 (c) Ahmed abdi Godane – Mosin-Nagant 1891
 (d) Ayman-al-Zawahiri – Heckler & Koch G3
 (e) Abdul Razik Mansuri – Humvee
15. What is the position of the person who uses Hughes BGM-71 with respect to the person who uses Hongjian HJ-8?
 (a) Immediate right (b) Second to the right
 (c) Fourth to the left (d) Sixth to the left
 (e) Third to the right

Directions (16-20) : Study the following information carefully and 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 in each step. The following is an illustration of input and rearrangement (All the numbers are two digit numbers)

Input : dp 28 sp hp 33 17 46 gh pr ml 69 90

Step I : dpt 28 sp hp 33 46 18 gh pr ml 69 90

Step II : dpt ght sp hp 33 46 18 27 pr ml 69 90

Step III: dpt ght hpt sp 46 pr 18 27 34 ml 69 90

Step IV : dpt ght hpt mlt sp pr 18 27 34 45 69 90

Step V : dpt ght hpt mlt prt sp 18 27 34 45 70 90

Step VI : dpt ght hpt mlt prt spt 18 27 34 45 70 89

Step VI is the last step of the above arrangement.

As per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.

Input : ca ma 179 le 282 181 178 ne cp no 219 302

16. Which step number would be the following output?

cat cpt let mat net no 302 180 177 182 281 220

- (a) Step IV (b) Step V (c) Step VI
(d) Step VII (e) There will be no such step

17. Which of the following would be fourth to the left of second to the right position in Step IV ?
(a) 219 (b) mat (c) 182
(d) 180 (e) None of these
18. How many elements (words or numbers) are there between 'cpt' and '281' as they appear in the last step of the output?
(a) One (b) Three (c) Four
(d) Five (e) Seven
19. Which of the following represents the position of '177' in the fourth step?
(a) Eighth from the left (b) Sixth from the left
(c) Fifth from the right (d) Sixth from the right
(e) Both (a) and (c)
20. In the last step of the rearrangement, '180' is related to 'let' and 'mat' is related to '177' in a certain way. Which of the following would '220' be related to, following the same pattern?
(a) 177 (b) let (c) 180
(d) net (e) cpt

Directions: (21-25): Study the following information carefully and answer the questions which follow

In a Pro Kabaddi league, six teams U Mumba, Pink Panthers, Patna Pirates, Puneri Paltan, Bengaluru Bulls and Bengal Warriors are participated. Each team played 3 matches with 3 different teams in a league match round. The top 3 teams will qualify for the next round and play one match with each other and then the top two teams will play one final match. The following information is only for league match round.

The team of Bengaluru Bulls does not play against team of Patna Pirates but won the match played against team of Puneri Paltan. The team of Bengal Warriors and team of Patna Pirates did not play any match against each other but both lost their matches against team of Pink Panthers. The team of U Mumba won only one match. The team of Bengal Warriors lost only one match and the team of Bengaluru Bulls won all its matches. The team of Puneri Paltan won only one match.

21. How many matches have been won by the team of Patna Pirates?
(a) Two (b) One (c) Three
(d) None (e) Cannot be determined
22. Which of the following is true from the given information?
(a) The team of Patna Pirates and team of Puneri Paltan won equal number of matches in league match round
(b) The team of Puneri Paltan has played against Bengaluru Bulls, Pink Panthers, and Patna Pirates in the league match round

- (c) The team of Pink Panthers has won the match against Patna Pirates in the league match round
(d) There is a tie for the top three teams in league match round

(e) Total number of matches played in league match round is 18

23. Find out the total number of matches played in the tournament?
(a) 22 (b) 16 (c) 19
(d) 13 (e) None of these
24. At the maximum how many matches can a team play in the tournament?
(a) 4 (b) 3 (c) 6
(d) 5 (e) 7
25. The team Bengal Warriors has won two matches against ____.
(a) U Mumba and Bengaluru Bulls
(b) Patna Pirates and Puneri Paltan
(c) Pink Panthers and U Mumba
(d) U Mumba and Patna Pirates
(e) Puneri Paltan and U Mumba
26. **Statement:** However, the market participants are eagerly waiting for a possible change in GDP growth forecast, inflation target for FY 17, along with the RBI's commentary on foreign exchange reserves as around \$30 billion of foreign currency non-resident bank deposits which are maturing in September.
In its April review, the RBI had slashed the repo rate, the rate at which banks borrow from the central bank, by 0.25 percent to 6.50 percent, to a more than five-year low. Since January 2015, the RBI has cut its repo rate by 150 basis points or 1.5 percent.
Which of the following **negates** the above steps taken by the RBI?
(a) The Consumer Price Index (CPI), which is closely watched by the RBI in order to set interest rate policy, jumped to 5.39 percent in April vs 4.83 percent in March.
(b) Global Crude Prices hitting a 12-year low of below \$27 dollars a barrel in January 2016 made a strong case for rate cuts for RBI.
(c) Loans and EMI will become cheaper for retail loans.
(d) Rupee will strengthen against other currencies.
(e) None of these.
27. **Statement:** Beverage and snacks maker PepsiCo India is pushing to become more aggressive in the market as it battles Coca-Cola in soft drinks and ITC and Parle in foods. The new hierarchy clubs beverages and foods into an integrated entity, with functions of marketing, operations, HR, finance, legal, corporate affairs and R&D being brought together under common heads.
Which of the following can be a part of **possible fallout** of the above situation?

- (a) The food business is getting increasingly fragmented.
- (b) The company is battling growth slowing across foods and beverages, fluctuating weather conditions that make market behaviour unpredictable and consumers turning to healthier foods and drinks.
- (c) Its top eight brands generate a business of about Rs. 1000 crore each.
- (d) The company has made sweeping changes in its senior leadership structure.
- (e) None of these.

28. Statement: Prime Minister Narendra Modi launched three mega flagship schemes aimed at transforming Urban India, including the much talked about Smart Cities proposal, with a whopping Rs. 4 lakh crore kitty having been lined up for the projects. He also unveiled logo of the housing mission, which has his personal touch in the finalization of its design. Speaking at the event, Modi said, “ the decision to make cities smart will be taken not by governments but by the people of the city, the local administration. Let there be competition between cities in development so that smart cities come up.”

Which of the following will be an **effect** of the initiative taken by the government?

- (a) Ensuring water supply to each household, sewer connections, sanitation and solid waste management in rural and urban governance would be the focus under the scheme.
- (b) Quality of life will improve in rural and urban areas.
- (c) Provision of roads and public transportation beside implementation of reforms in urban governance would be the focus under the scheme.
- (d) Millions of jobs will be created and scarcity of houses will be removed in urban and rural areas.
- (e) All of the above.

29. Statement: There is little that is surprising about India’s recent refusal to allow Google to launch its street view service, which gives users a 360-degree view of public spaces. The proposal was rejected following objections raised by the Defence Minister.

Which of the following objection(s) may not be a **probable reason(s)** for the above step taken by the government?

- (a) The decision is said to have come in the backdrop of the terror attack on the Pathankot airbase, with investigators suspecting that terrorists used Google maps to study the topography of the targeted area.
- (b) The concerns of the defence organizations should be taken into consideration.
- (c) India’s security and stability should be given prime importance.

- (d) We Indians are not mature enough to permit such exploratory things threatening national security. We have more enemies inside than outside.
- (e) All of the above.

30. Statement: By fixing a deadline of one year from the date of framing of charges for the completion of trial involving the members of parliament and legislative assemblies, the Supreme Court has once again intervened effectively to give some credibility to the idea of cleaning the polity. It gave a jolt to the political class by striking down a provision that protected sitting legislators from immediate disqualification on conviction.

Which of the following can be **concluded** from the above passage?

- (a) To implement the guidelines, the government must set up more speedy trial courts, which will help them deliver justice in time.
- (b) The steps taken by the apex court will help to choose the best people from their constituency and make the Indian democratic system free from criminalization.
- (c) This will help in reducing the scourge of criminalization of politics.
- (d) The latest order will help in addressing this problem by empowering the trial court to refuse routine adjournments.

Direction(31-35): Read the following passage answer the given questions according to the passage:

Legal issues become needless controversies when politics casts a dark shadow on them. The issue of the President withholding assent to a Delhi government Bill seeking to protect its 21 parliamentary secretaries from incurring disqualification on the grounds of holding an office of profit, is a flagrant example. On Tuesday, Delhi Chief Minister Arvind Kejriwal reacted strongly to the President’s rejection of proposed legislation by the Delhi government to exempt the post of Parliamentary Secretary from the purview of ‘office-of-profit’, questioning why Delhi is being singled out as other States too have instituted the post of ‘Parliamentary Secretary.’ The parliamentary secretaries are under notice from the EC to show cause why they should not be disqualified for holding an ‘office of profit’. Mr. Kejriwal contends that his parliamentary secretaries do not draw any salaries or perquisites. He ought to canvass this point before the Election Commission. Such questions arise because the term ‘office of profit’ and the post of parliamentary secretary do not yet have a clear legal definition.

Various petitions in the High Court have challenged the appointment of Parliament Secretary, arguing that the post is in contradiction to Article 164 (1A) of the Constitution which provides for limiting the number of Ministers in the State Cabinets to 15 per cent of the total number of members of the State Legislative Assembly (10% in the case of Delhi, which is not a ‘full’ state). Because a Parliament Secretary often holds the

rank of Minister of State, the Calcutta High Court, in June 2015, quashed the appointment of 24 Parliamentary Secretaries in West Bengal dubbing it unconstitutional. Similar action was taken by the Bombay High Court in 2009 for the appointment of two Parliamentary Secretaries in Goa and by the Himachal Pradesh High Court in 2005 for the appointment of eight Chief Parliamentary Secretaries and four Parliamentary Secretaries in the State. In May 2015, the Hyderabad High Court stayed the appointment of Parliamentary Secretaries in Telangana. The matter is sub judice in Punjab and Haryana. A legislative solution applicable across the country is needed. That should ensure that there are no double standards in applying the law on office of profit.

31. Which of the following can be **postulated** from the given passage?
 (i) State Govt. has the power to appoint the party MLA's as parliamentary secretaries.
 (ii) Central Govt. are playing double standard with the Delhi Govt.
 (iii) It is end of the road for 21 parliamentary secretaries of Delhi.
 (a) Only (ii) (b) All except (iii) (c) None except (iii)
 (d) Only (i) and (iii) (e) None of these
32. Which **course of action** Arvind kejriwal should take to protect its 21 parliamentary secretaries?
 (i) He should request with folded hands to Central Govt. for not showing double standard.
 (ii) He should protest with its 21 parliamentary secretaries in front of Rastrapati Bhawan.
 (iii) He should canvass to the Election Commission and President with full proof that their parliamentary secretaries do not draw any salaries or perquisites.
 (a) Only (i) and (ii) (b) None except (iii) (c) All except (i)
 (d) All except (ii) (e) None of these
33. Which one will **negates** the decision of Calcutta, Bombay, Himachal and Hyderabad High court?
 (a) If 21 parliamentary secretaries of Delhi will be dismissed.
 (b) If all the cases of mentioned state will be filed in supreme court.
 (c) If state govt. will become ready to make parliamentary secretary to all non-political persons.
 (d) If proper provision will be made in our constitution to judge an "office of profit" and parliament secretary will be exempted from it.
 (e) None of these.
34. Which of the following can be **culminated** from the given passage?
 (i) It is against our constitution if any minister holds an "office of profit".
 (ii) If there are 70 legislative seats in Delhi, there can be 10 ministers among them.
 (iii) Arvind Kejriwal is trying to protect its 21 parliamentary secretary for sake of Delhi's people.
 (a) All except (ii) and (iii) (b) None except (ii) and (iii)
 (c) Only (iii) and (i) (d) Only (ii) (e) None of these
35. What will be the **fallout** if 21 parliamentary secretaries of Delhi will be dismissed?
 (a) All the state govt. of Calcutta, Hyderabad, Himachal, Bombay and Delhi will protest against this decision.
 (b) Kejriwal will resigned from his position arguing that centre is playing double standard.
 (c) There may be pressure on central govt. to give proper definition of an "office of profit".
 (d) Developments of Delhi will be effected.
 (e) None of these.
36. Indicate which one of the following best describes the term 'Software'?
 (a) Application programme only
 (b) Operating System programme only
 (c) Control system (d) Both (a) and (b)
 (e) None of these
37. A computer program that will search its database to find items whose text contains all or at least one of the words given to it?
 (a) Search engine (b) Internet-explorer
 (c) Searching techniques (d) Particular keywords
 (e) None of these
38. A flaw in a program that causes produce incorrect or inappropriate results is called a _____
 (a) Bug (b) Byte (c) Attribute
 (d) Unit problem (e) None of these
39. A program embedded in a semiconductor chip during their manufacture is called
 (a) Humanware (b) firmware (c) liveware
 (d) hardware (e) Software
40. An important characteristic of fibre optics is
 (a) De-refraction (b) Refraction (c) Transaction
 (d) None of above (e) All of the above
41. Computer based weather forecasting depends on accurate collection of data from
 (a) Radar (b) Weather station
 (c) Antenna (d) Television (e) None of these
42. How can the user determine what programs are available on a computer?
 (a) Checking the hard disk properties
 (b) Viewing the installed programs during the booting process
 (c) Checking the operating system for a list of installed programs
 (d) Checking the existing files saved on the disk
 (e) None of these
43. IEEE 802.3 is

- (a) Device Name (b) Protocol (c) Topology
(d) Code (e) None

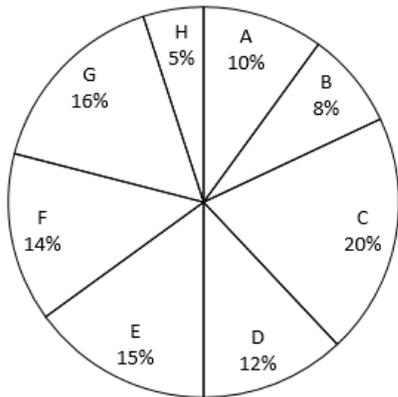
- (c) Operating system (OS) (d) input/output system
(e) None of these

44. A(n) _____ is a set of programs designed to manage the resources of a computer, including starting the computer, managing programs, managing memory, and coordinating tasks between input and output devices
(a) Application suite (b) Interface

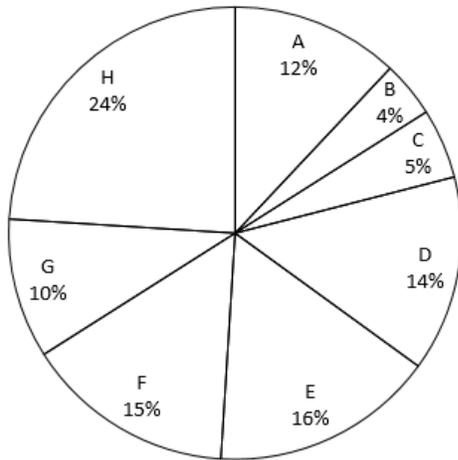
45. The benefit of CAD may be summed up as
(a) Accuracy (b) Repeatability
(c) Speed and flexibility of production
(d) All of the above (e) None of the above

Maths

Directions (46-50): The following pie-chart shows the distribution of the number of cars of different models produced by a Company in 2005 and 2010.



Total cars in the year 2005 = 32000



Total cars in the year 2010 = 60000

46. What is the difference between the central angle made by cars of Model D, E and F in the year 2005 and central angle made by cars of Model A, C and G in the year 2010?
(a) 47.6° (b) 58.2° (c) 64°
(d) 67.5° (e) 50.4°
47. What is the percentage increase in number of cars of Model A and Model B together produced by the company from 2005 to year 2010?

- (a) 75% (b) 90% (c) 112.5%
(d) 66.67% (e) 137.5%

48. What is the ratio of the number of cars of model D, E and F in the year 2005 to the number of cars of model F, G and C in the year 2010?

- (a) 164:225 (b) 225:164 (c) 150:38
(d) 16:450 (e) None of these

49. The number of cars of Model A, B and D in the year 2010 is approximately what percent of the number of cars of Model C, G and H cars in the year 2005?

- (a) 122.5% (b) 131.25% (c) 137.2%
(d) 150% (e) 152.25%

50. The number of cars of Model G and model C in the year 2005 is what percentage more than the number of same-model cars in 2010?

- (a) 12% (b) 17% (c) 24%
(d) 28% (e) 35%

Directions (51-55): Study the following information carefully to answer these question.

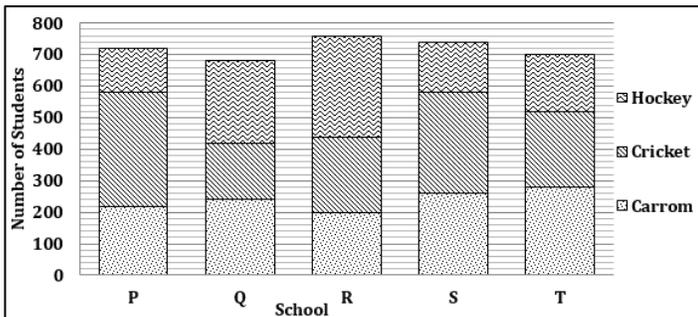
An institute having 450 employees has sent all its employees for training in one or more areas out of HRM, computer skills and financial skills. The employees are classified into two categories—officers and clerks, who are in the ratio of 4 : 5. 10% of the officers take training only in computer skills, 16% of the clerks take training only in HRM which is equal to the number of officers taking training only in financial skills and is equal to the 50% of the number of officers taking training only in HRM and financial skills both. 6% of the total employees take training in all of which two-thirds are officers. 10% of the total employees take training only in HRM and computer skills, which is five times the number of clerks taking training only in computer skills and financial skills. 10% of clerks take training only in HRM and computer skills. The number of officers taking training only in HRM is 25% of the number of clerks taking training only in HRM. 20% of the total number of employees take training only in computer skills. Number of clerks taking training in HRM and financial skills both is 20% of the total number of clerks.

51. Total how many officers take training in HRM?
(a) 110 (b) 128 (c) 118
(d) 98 (e) None of these

52. Total how many clerks take training in computer skills but not in HRM?
 (a) 113 (b) 104 (c) 88
 (d) 79 (e) None of these
53. Total how many employees take training in financial skills but not in HRM?
 (a) 106 (b) 135 (c) 127
 (d) 134 (e) None of these
54. Total how many clerks take training in financial skills?
 (a) 115 (b) 106 (c) 47
 (d) 97 (e) None of these
55. What per cent of the total number of officers take training in computer skills but not in financial skills?
 (a) 25% (b) 40% (c) 20%
 (d) 15% (e) None of these

Directions (56- 60) : Study the following graphs and answer the given questions.

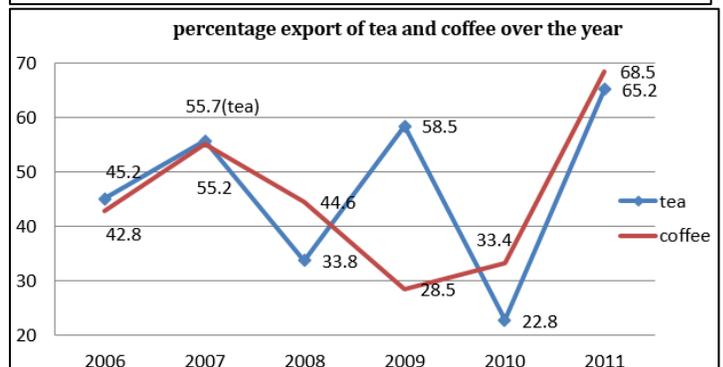
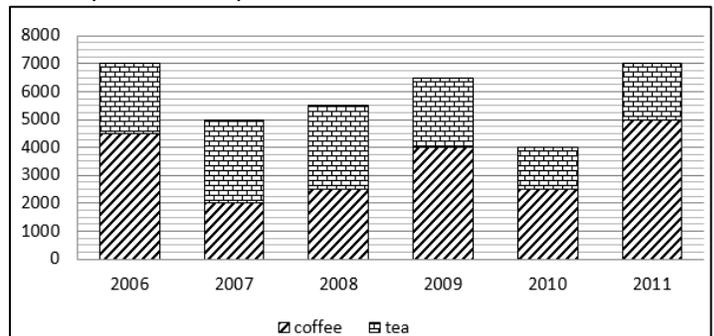
Number of Students Playing Carrom, Cricket and Hockey from Different Schools



56. Total number of students playing Carrom and Hockey together from school P is what percent of the total number of students playing these two games together from school R?
 (a) $68\frac{3}{16}\%$ (b) $64\frac{3}{13}\%$ (c) $69\frac{3}{13}\%$
 (d) $63\frac{3}{13}\%$ (e) $62\frac{3}{13}\%$
57. If the number of students playing each game in school S is increased by 15% and the number of students playing each game in school Q is decreased by 5%, then what will be the difference between number of students in school S and Q?
 (a) 54 (b) 218 (c) 356
 (d) 224 (e) 205
58. If out of the students playing Cricket from schools Q, S and T 40%, 35% and 45% respectively got selected for state level competition, what was the total number of students got selected for State level competition from these schools together?
 (a) 346 (b) 241 (c) 292
 (d) 284 (e) 268
59. Total number of students playing Hockey from all schools together is approximately what percent of the total number of students playing Cricket from all schools together?

- (a) 84% (b) 74% (c) 72%
 (d) 79% (e) 70%
60. From school P, out of the students playing Carrom, 40% got selected for State level competition. Out of which 25% further got selected for National level competition. From school T, out of the students playing Carrom, 45% got selected for State level competition, out of which two-third further got selected for National level competition. What is the total number of students playing carrom from these two schools who got selected for National level competition?
 (a) 106 (b) 98 (c) 112
 (d) 108 (e) 96

Directions (61-65): Read the following graph carefully and answer the questions given below Production (in Kg) of tea and coffee by a factory in different years



61. What was approximate percentage increase in quantity of exported tea in 2009 in comparison to previous year?
 (a) 42 (b) 37 (c) 35
 (d) 45 (e) 49
62. What is the average quantity of exported coffee in 2008 and 2010 together?(in kg)
 (a) 975 (b) 965 (c) 935
 (d) 948 (e) None of these
63. The quantity of exported coffee in 2007 is approximately what percent of quantity of exported tea in the same year?
 (a) 57 (b) 53 (c) 66
 (d) 70 (e) 60

64. What is the difference between total quantity of exported tea in 2007 and 2008 and total quantity of exported coffee in both the same years? (in Kg)

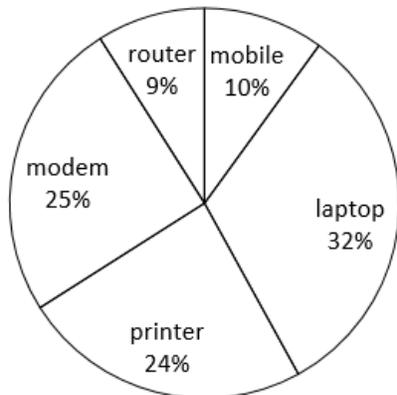
- (a) 408 (b) 412 (c) 416
(d) 422 (e) None of these

65. What is the total quantity of exported coffee in all the years?(in kg).

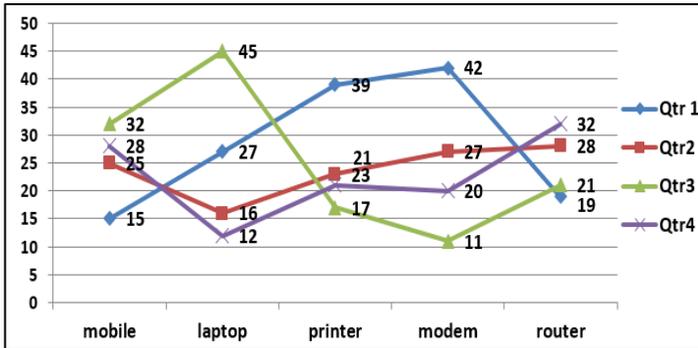
- (a) 9330 (b) 9545 (c) 9214
(d) 9528 (e) None of these

Directions (66-70): Korona electronics sells only 5 types of products mobile ,modem, router, laptop and printer.The total revenue generated in 1 year is 500 Cr. Given below is the percentage breakup of revenue earned by different products.

Percentage breakup of revenue earned by different products.



Percentage distribution of revenue of each product in different quarters of the year



66. Revenue earned by laptop in 3rd quarter is what percent more than revenue of printer in 2nd and 4th quarter Together? (round off to two decimal places)

- (a) 36.36 (b) 34.21 (c) 38.86
(d) 32.54 (e) None of these

67. Find the respective ratio of revenue earned from mobiles in 2nd and 3rd quarter to revenue Of printer from 1st and 2nd quarter?

- (a) 283:744 (b) 744:283 (c) 285:744

- (d) 744:285 (e) None of these

68. What is the difference between total revenue in quarter 2 and total revenue in quarter 3?

- (a) 16.85 (b) 17.65 (c) 19.25
(d) 23.15 (e) None of these

69. Revenue from Sales of printer in 1st 3rd and 4th quarter is approximately what times of revenue from sale of laptop in 2nd and 4th quarter?

- (a) 2.05 (b) 1.85 (c) 1.95
(d) 3.22 (e) 2.35

70. Revenue from sales of laptop and printer in quarter 1 is approximately what percent of revenue from sales of all Products together in quarter 2?

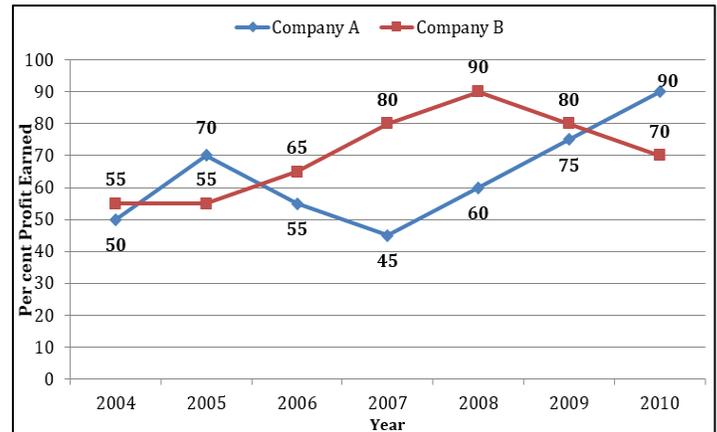
- (a) 80% (b) 83% (c) 63%
(d) 71% (e) 86%

Directions (71-75): Study the following graph carefully to answer these questions.

Per cent profit earned by two companies producing electronic goods over the years

$$\% \text{ Profit} = \frac{\text{Profit Earned}}{\text{Total Investment}} \times 100$$

Profit Earned = Total Income – Total Investment in the year



71. If the profit earned in 2006 by Company B was Rs, 8,12,500, what was the total income of the company in that year?

- (a) Rs. 12,50,000 (b) Rs. 20,62,500 (c) Rs. 16,50,000
(d) Rs. 18,25,000 (e) None of these

72. If the amount invested by the two companies in 2005 was equal, what was the ratio of the profit earned of the Company A to that of B in 2005?

- (a) 31 : 33 (b) 33 : 31 (c) 34 : 31
(d) 14 : 11 (e) None of these

73. If the total amount invested by the two companies in 2009 was Rs. 27 lakh, while the amount invested by Company B was 50% of the amount invested by Company A, what was the total profit earned by the two companies together?

- (a) Rs. 21.15 lakh (b) Rs. 20.70 lakh (c) Rs. 18.70 lakh
 (d) Rs. 20.15 lakh (e) None of these

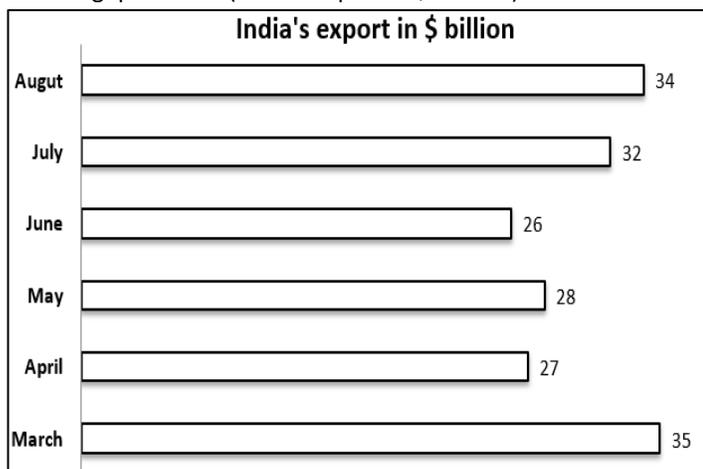
74. If the income of Company A in 2007 and that in 2008 were equal and the amount invested in 2007 was Rs. 12 lakh, what was the amount invested in 2008?

- (a) Rs. 10,87,500 (b) Rs. 10,85,700 (c) Rs. 12,45,000
 (d) Rs. 12,85,000 (e) None of these

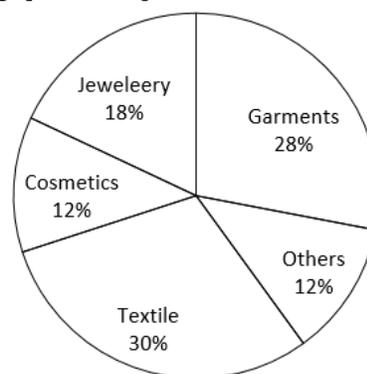
75. If the amount of profit earned by Company A in 2006 was Rs. 10.15 lakh, what was the total investment?

- (a) Rs. 13.8 lakh (b) Rs. 14.9 lakh (c) Rs. 15.4 lakh
 (d) Rs. 14.2 lakh (e) None of these

Directions (76–80): Study the following graph and answer the following questions: (India's export in \$ billions)



average percent export form different sector



76. What is the average export of textile industry over the period?

- (a) 23.2 billion (b) 9.1 billion (c) 10.84 billion
 (d) 8.74 billion (e) none of these

77. If the export in September is increased by 10% in comparison to previous month, then what is the amount of increase in export from Garment industry?

- (a) 0.952 billion (b) 1.426 billion (c) 1.843 billion
 (d) Data inadequate (e) none of these

78. The export of jewellery in August is what per cent greater than others in March?

- (a) 44.2% (b) 45.7% (c) 48%
 (d) 48.7% (e) 45%

79. The export of cosmetics in April is how many times the export of textiles in August?

- (a) 0.21 (b) 0.31 (c) 0.41
 (d) 0.51 (e) 0.61

80. The export of garments and cosmetics together in the month of July is approximately what per cent the exports of jewellery and others in the month of March?

- (a) 110 (b) 115 (c) 120
 (d) 125 (e) 130

English Language

Directions (81-90): Read the following passage carefully and answer the questions. Certain words/ phrases are given in bold to help you locate them while answering some of the questions. The American public sphere is blessed with many religious experts. In the midst of the Syrian refugee crisis, pundits reminded us that Christianity enjoins the welcoming of refugees. Many of the same people, it turns out, are also deeply familiar with Islam, allowing them to piously intone that it is a “religion of peace.” These claims often come from people who are not themselves affiliated with those faiths or any other: they are political interventions **masquerading**, sometimes insultingly, as **exegesis**. They serve an important function, however, as a form of wish fulfillment. If these pat, nervous descriptions of long and complex religious traditions were true, the age-old problem of

religion in the public square could vanish into a puff of banalities. Peace and refugee assistance are perfectly good secular, progressive goals, and it would be convenient if Christianity and Islam, which long antedate secular progressivism, happened to enjoin the same things. Alas, the world is not so simple. But what, then, are we to do? What should we expect from religion in a secular society?

The conservative position on religiosity has the virtue of coherence: America, from this perspective, is a Christian nation. Even if other religions should be tolerated in the name of Christian charity, they should cede pride of place to America's exceptional Christian heritage. Progressives have a much more difficult time, and we **ricochet** between contradictory and unsustainable positions. On the one hand, religion is

transparently absurd, but on the other the triumphant atheism of Richard Dawkins is embarrassing, too. When someone such as Kim Davis forces us to confront difficult issues of law and faith, we often have recourse to uncomfortable mockery, unsure why it is wrong to disobey political authority in the name of individual conscience. The old Marxist account of religion as an “opiate of the people” survives, too, in the conventional wisdom that evangelical voters cling to guns and religion because they are distracted from their true economic interests. These attempts to sidestep the question of religion’s role are dangerous but understandable. The great philosopher Richard Rorty once sighed that religion was a conversation-stopper: If someone claims to be acting for religious reasons, what is there to say? If he were alive today, he would know that if we cease talking about religion, we start shouting about it.

For decades, the persistence of religious violence and discrimination was largely outsourced to social scientists, who told us that religion would either vanish altogether or become privatized as societies industrialized. As these predictions have proven faulty, scholars have been going back to the drawing board. In the last year, there have appeared a number of books eager to help us out of this **quandary**: What, they ask, is the proper place of religion in a democratic society? How can people live together if they have fundamental, irreconcilable beliefs about the nature of the universe?

One answer is to simply declare outright that there is no such place. This is not at all a new position, but previous attempts to police the public sphere in this way have proven both politically and intellectually ineffective. The political theorist Carlo Invernizzi Accetti’s bracing new book, *Relativism and Religion: Why Democratic Societies Do Not Need Moral Absolutes*, provides a novel and powerful approach. Accetti does not simply dismiss religion in the name of a secular, rationalist form of ethics or democratic legitimacy. He would not try to prove Kim Davis wrong and explain why marriage law should be secular. Instead, he argues that only a revived form of philosophical relativism can get us out of the secular-religious bind. He takes religious arguments very seriously, and devotes a good portion of the book to a patient reconstruction of the Roman Catholic argument against relativism. He thinks that religious critics of relativism are wrong, but in the process he makes the more startling claim that secular critics of relativism are wrong, too.

81. Why according to Richard Rorty is religion a ‘conversation stopper’? Choose the most appropriate option.

- (a) Because, we turn violent when talking about religion.
- (b) Because, people do not like to talk about religion.
- (c) Because, people do not argue against religious claims
- (d) Because, there is very less scope of a productive and fruitful discussion if someone asserts religion to be the reason for his actions

(e) Because people are afraid of the repercussions they could face for arguing against the religious claims.

82. According to the given passage, why are progressives having a much more difficult time?

- (a) Because, they ricochet between contradictory and unsustainable positions
- (b) Because, they are in a dilemma of whether to follow religion or atheism.
- (c) Because, they find philosophies of religion absurd.
- (d) Because, they have been coerced to follow the religion
- (e) Because, they are not sure about the presence of god.

83. What is the approach provided by C.I Accetti’s bracing new book?

- (a) He dismisses religion in the name of a secular, rationalist form of ethics or democratic legitimacy.
- (b) He tries to justify the need of a secular marriage law to strengthen the bond between religion and secularism.
- (c) He advocates the need of a realization that only philosophy can ensure a strong bond between religion and secularism
- (d) He supports the revival of political relativism to ensure a strong bond between religion and secularism..
- (e) He supports a revived form of philosophical acceptance to ensure a strong bond between religion and secularism.

84. According to the given passage, who makes the ‘claims’ like Christianity enjoins refugees and supports refugees to intone that Islam is a religion?

- (a) Honest politician
- (b) Public Masqueraders
- (c) Atheists
- (d) Political Hypocrites and opportunists
- (e) Not given in the passage

85. According to the given passage, why does Marxist call religion an ‘opiate of the people’?

- (a) Because, theists have a tendency to turn violent whenever anyone
- (b) Because, because they indulge so much in devotion that they forget about even their own benefits.
- (c) Because, devotees are generally addicted to god the way an addict is addicted to opium.
- (d) Because, orthodox voters resort to violence, keeping their economic interests at bay
- (e) Because, evangelical voters cling to violence and unfair means in order to ensure that the candidate supported by them wins.

86. According to the given passage, what are the predictions that have proven out to be faulty?

- (a) Predictions about the destruction of the world.
- (b) Predictions about the personalization of the religions resulting in its banishment
- (c) Predictions about the industrialization of religion resulting in its banishment

- (d) Predictions about the persistence of religious violence and discrimination in the society.
(e) None of these

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. QUANDARY

- (a) Confusion (b) Certainty (c) Predicament
(d) Fortunate (e) Advantage

88. RICOCHET

- (a) Yank (b) Speed up (c) Shine
(d) Recoil (e) Dangle

Directions (Q. 89-100): 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.

89. MASQUERADING

- (a) Attitudinize (b) Mask (c) Revel
(d) Reveal (e) Posture

90. EXEGESIS

- (a) Analysis (b) Benefaction (c) Benediction
(d) Insult (e) Accolade

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.

India has become, in purchasing power parity terms, the fourth largest economy in the world. India's economic ...(91)... since 1980 has been among the ...(92)... ..rapid. As India managed its one incipient crisis the early 1990s, it avoided the catastrophic losses ...(93)... while many ...(94)... that exposing India's economy to global competition would reveal India's economic ...(95)... it has rather revealed strengths and often unexpected strength in new areas no planner would ...(96)... of, India is increasingly taking its ...(97)... on the global stage and In international forums as a 21st century superpower.

The generations of politicians and policy makers who have been ...(98)... of leading India to where it is today can be justifiable ...(99)... of the transformation.

But achievements create new ...(100)... two of which are improving service delivery, particularly to the poor, though greater accountability and expanding the benefits of rapid growth across sectors, regions and people.

91. (a) decline (b) policy (c) crisis
(d) treaty (e) growth
92. (a) several (b) very (c) most
(d) much (e) so
93. (a) end (b) deterioration (c) thus
(d) together (e) elsewhere
94. (a) asked (b) feared (c) think
(d) spoke (e) believe

95. (a) growth (b) space (c) gain
(d) weakness (e) void
96. (a) questioned (b) dreamed (c) arranged
(d) plan (e) wanted
97. (a) matter (b) Place (c) life
(d) generation (e) mark
98. (a) part (b) issues (c) humans
(d) figment (e) thought
99. (a) worried (b) angry (c) honoured
(d) distinguished (e) proud
100. (a) Impossibilities (b) evaluations (c) challenges
(d) comparisons (e) dangers

Directions (101-105): 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).

101. Even less intelligent students can **be succeeded** through hard work and perseverance.
(a) get succession (b) be successfully
(c) get success (d) be getting succeeded
(e) No correction required
102. Rahul as well as his friends **talk more then** others.
(a) talk more than
(b) has been talking much more than
(c) talks more than others
(d) have talked
(e) No correction required
103. Being a man of principle, he refused **to follow the illegitimate** instructions.
(a) following the illegitimate
(b) to following the illegitimately
(c) to follow the illegitimately
(d) Not to follow the illegitimately
(e) No correction required
104. The active learning of adulthood is not **only possible but infinitely and** desirable.
(a) only possible but also infinitely
(b) only possible but also infinite and
(c) possible only if infinite
(d) only possible but infinitely
(e) No correction required
105. This is one of the most remarkable stories **that has been told** so far.
(a) which has been told (b) that has been telling
(c) that have been told (d) which are told
(e) No correction required

Directions (106-110): 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.)

106. (a) When the father /(b) took charge of the/(c) situation, all the children /(d) shook in their shoes./ (e) No error
107. (a) I had just reached a hotel which/(b) was inaugurated by the Prime Minister /(c) when my mother called me to bring some mangoes/(d) while coming back home./ (e) No error
108. (a) The youth/(b) is the time/(c) when the seeds of /(d) wisdom are sown./ (e) No error
109. (a) The economic structure of Indian household/(b) is such that girls are required to help/(c) in household work and also/(d) perform their chores./ (e) No error
110. (a) The invention of the modern /(b) gadgets like mobile phone, microwave, etc /(c) have not been without any affect./ (d) concluded the new study ./ (e) No error.

Directions (111-115): Rearrange the given eight sentences (A), (B), (C), (D), (E), (F), (G) and (H) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

- A. Ludwig originally studied engineering, first in Berlin and then in Manchester, where he became interested in the design of aeroplane propellers. At this time he developed a deep interest in mathematics and its foundations.
- B. Wittgenstein was born in 1889 into one of Austria's richest families. His father was a self-made industrialist who built his fortune in iron and steel; his mother came from a Prague Jewish family.
- C. Even the life of Martin Heidegger, with his controversial Nazi connections and his later attempt to live the authentic life of a peasant, looks dull and suburban by comparison.
- D. Ludwig was the youngest of eight siblings – he had three sisters and four brothers. Tragedy hit the family again and again. Three of Ludwig's brothers committed suicide.
- E. The fourth, Paul, was a concert pianist who lost his right arm in the First World War and later commissioned works for the left hand from Ravel, Prokofiev, Paul Hindemith and Erich Korngold.
- F. Among all twentieth-century thinkers, Ludwig Wittgenstein stands out as the one whose life fascinates almost as much as his work does.
- G. Wittgenstein had a huge impact on the intellectual scene there, but throughout his life he claimed to dislike Cambridge and preferred to spend time writing and thinking in remote, isolated places.
- H. Having studied the ground-breaking works of philosophy of mathematics by Bertrand Russell and Gottlob Frege, he visited Frege in Jena who advised him to study with Russell in Cambridge.

111. Which of the following should be the **FOURTH** sentence after the rearrangement?

- (a) A (b) B (c) C (d) F (e) D

112. Which of the following should be the **SECOND** sentence after the rearrangement?

- (a) C (b) B (c) F (d) D (e) E

113. Which of the following should be the **SIXTH** sentence after the rearrangement?

- (a) E (b) D (c) B (d) A (e) F

114. Which of the following should be the **SEVENTH** sentence after the rearrangement?

- (a) E (b) G (c) B (d) F (e) H

115. Which of the following should be the **LAST (EIGHTH)** sentence

- (a) A (b) G (c) B (d) H (e) E

SOLUTIONS:

Direction (1-5):

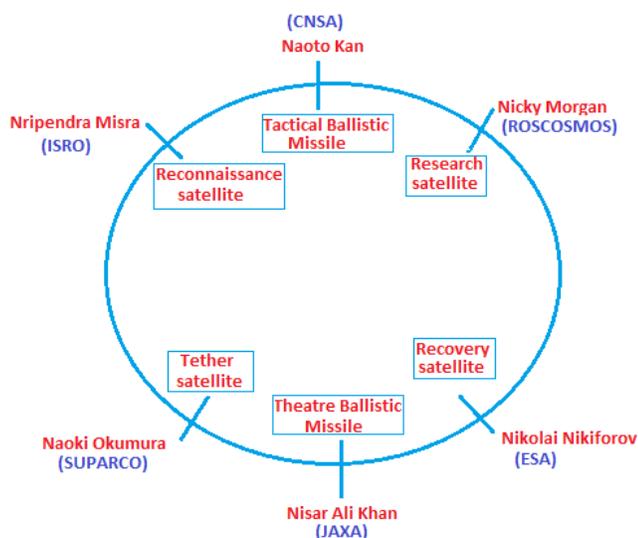
⇒ There are two possible cases of the position of the other players. So the final arrangement is ⇒

⇒

Number	Performed	Position (Case-I)	Position (Case-II)
1	Anita Ratnam	Aditi Bandyopadhyay	Anita Babu
2	Aadya Kaktikar	Anita Babu	Anita Ratnam /Aditi Bandyopadhyay
3	Arpita Venkatesh	Aruna Mohanty	Aruna Mohanty
4	Anita Babu	Anita Ratnam	Anita Ratnam /Aditi Bandyopadhyay
5	Aditi Bandyopadhyay	Alarmel Valli	Alarmel Valli
6	Alarmel Valli	Aadya Kaktikar	Aadya Kaktikar
7	Aruna Mohanty	Arpita Venkatesh	Arpita Venkatesh

1. (c)
2. (d)
3. (c)
4. (d)
5. (e)

Direction(6-10):



- 6. (e)
- 7. (d)
- 8. (c)
- 9. (c)
- 10. (a)

Direction(11 – 15)–

Abu al-Rahman Mustafa	Abu Bakr Al-Baghdadi	Alamzeb Afridi	Abdul Subhan Qureshi	Ahmed Abdi Godane	Abdul Rahman Yasin	Abu Muhammad al-Julani	Abubakar Shekau	Abdul Razik Mansuri	Ayman al-Zawahiri
Heckler & Koch G3	Hwaseong-Chong	Mikoyan MIG-23	Hongjian HJ-8	Heckler & Koch G3	Hwaseong-Chong	Hughes BGM-71	Hongjian HJ-8	Humvee	Mosin-Nagant 1891

- 11. (b)
- 12. (c)
- 13. (d)
- 14. (e)
- 15. (e)

Direction(16-20):

Here the rule followed is : Words are arranged alphabetically along with addition of ‘t’ whereas numbers are arranged in an ascending order of odd and even numbers alternatively from the middle along with ‘addition of one’ from the odd one and ‘subtraction of one’ from the even one.

Input : ca ma 179 le 282 181 178 ne cp no 219 302
Step I : cat ma le 282 181 178 180 ne cp no 219 302
Step II : cat cpt ma le 282 181 180 177 ne no 219 302
Step III: cat cpt let ma 282 ne 180 177 182 no 219 302
Step IV : cat cpt let mat ne 219 180 177 182 281 no 302
Step V : cat cpt let mat net no 302 180 177 182 281 220
Step VI: cat cpt let mat net not 180 177 182 281 220 301

- 16. (b)
- 17. (d)
- 18. (e)
- 19. (e)
- 20. (c)

Direction(21-25):

No of win	Team	Played	Win	Played	Win	Played	Win
3	Bengaluru Bulls	U Mumba	Bengaluru Bulls	Pink Panthers	Bengaluru Bulls	Puneri Paltan	Bengaluru Bulls
2	Bengal Warriors	U Mumba	Bengal Warriors	Pink Panthers	Pink Panthers	Puneri Paltan	Bengal Warriors
1	Puneri Paltan	Patna Pirates	Puneri Paltan	Bengaluru Bulls	Bengaluru Bulls	Bengal Warriors	Bengal Warriors
0	Patna Pirates	U Mumba	U Mumba	Pink Panthers	Pink Panthers	Puneri Paltan	Puneri Paltan
2	Pink Panthers	Patna Pirates	Pink Panthers	Bengaluru Bulls	Bengaluru Bulls	Bengal Warriors	Pink Panthers
1	U Mumba	Patna Pirates	U Mumba	Bengaluru Bulls	Bengaluru Bulls	Bengal Warriors	Bengal Warriors

- 21. (d)
- 22. (c)
- 23. (d)
- 24. (c)
- 25. (e)
- 26. (e) If repo rate goes down, loan rates will go down. In turn, the value of rupee will strengthen against other currencies. Consumer Price Index (CPI) measures changes in the price level of a market basket of consumer goods and services purchased by households; hence it should be jumped from its previous rates. Reduction in global crude prices also plays an important role for the rate cuts by RBI. So, none of the options negates the above steps taken by the RBI.
- 27. (d) Change in leadership structure may be a part of the aggressive strategy. Rest of the options does not follow because the decision is expected to have been after a proper assessment of the problem.

28. (c) Note that we are talking about Smart Cities Mission. Thus anything related to rural areas is beyond the scope. Whereas, in option (c), we focus only on urban development. Hence, option (c) will be an effect of the statement.
29. (d) All the options may be the probable reasons except option (d) because the reason in that option is contradictory to the statement. We Indians are matured enough to permit such exploratory things threatening national security. So, this must not be a probable reason.
30. (b) The statement talks about cleaning the Indian politics from criminalization. Choice (c) cannot be considered completely. But choice (b) can be considered as it substantiates the conclusion fully.

Direction(31-35):

31. (e) All (i), (ii) and (iii) can be postulated from the given passage because as it is stated in the passage about appointment of parliament secretaries by different states. And as according to the passage Mr. Kejriwal is questioning why Delhi is singled out as other states too have "parliamentary secretary". It can be postulated that he is saying on some basis. And according to the past results, Calcutta and Bombay High court quashed the appointment of parliamentary secretaries. So, there may be same result for 21 parliament secretaries of Delhi.
32. (b) Only (iii) course of action is feasible as protesting or requesting to central govt. with folded hands is not a solution. It is better to convince Election Commission with full proof to show that parliament secretaries does not belong to the "office of profit".
33. (d) If proper provision will be made in our constitution to judge an "office of profit" and if parliament secretary will be exempted than this decision will nullify the decisions of mentioned High courts.
34. (a) Only (i) can be culminated from the passage. It is clearly mentioned in passage 10% of total number of members of the state legislative assembly will be ministers. So, if total seat are 70 then there will be 7 ministers. And We cannot conclude that Mr. Kejriwal is trying to protect its 21 parliamentary secretary for sake of Delhi's people.
35. (c) There may be pressure on Central govt. as parliament secretary of many states was dismissed on the issue of "office of profit". And post of parliamentary secretary and "office of profit" do not yet have a clear legal definition
36. (d) 37. (a) 38. (a) 39. (b) 40. (b)
41. (b) 42. (c) 43. (b) 44. (c) 45. (d)
46. (e); Required difference = $\frac{12+15+14}{100} \times 360 - \frac{(12+5+10)}{100} \times 360 = \frac{14}{100} \times 360 = 50.40^\circ$
47. (d); Model A and model B cars produced by the company in 2005 = $\frac{18}{100} \times 32000 = 5760$

Model A and model B cars produced by the company in 2010 = $\frac{12+4}{100} \times 60000 = 9600$

\therefore Required % = $\frac{9600-5760}{5760} \times 100 = 66.67\%$

48. (a); Required Ratio = $\frac{(12+15+14) \times 32}{(15+10+5) \times 60}$

= $\frac{41 \times 8}{30 \times 15} = \frac{41 \times 4}{15 \times 15} = 164 : 225$

49. (c); Required % = $\frac{\frac{12+4+14}{100} \times 60000}{\frac{20+16+5}{100} \times 32000}$

= $\frac{30 \times 60}{41 \times 32} \times 100 = 137.2\%$

50. (d); Cars of model G and C in the year 2005 = $\frac{16+20}{100} \times 32000 = 11520$

Cars of model G and C in the year 2010 = $\frac{15}{100} \times 60,000 = 9000$

\therefore Required % = $\frac{11520-9000}{9000} \times 100 = 28\%$

Directions (51-55)

Total employees (450)

Officers – 200

Clerks – 250

HRM (50)	Off – 10 Clerk – 40
Computer – Skills (90)	Off – 20 Clerk – 70
Financial skills (87)	Off – 40 Clerk – 47
HRM + CS (45)	Off – 20 Clerk – 25
HRM + FS (130)	Off – 80 Clerk – 50
CS+ FS (21)	Off – 12 Clerk – 9
All (27)	Off – 18 Clerk – 9

51. (b); Required Officers taking training in HRM = 10 + 80 + 18 + 20 = 128

52. (d); Clerks training in CS but not in HRM = 70 + 9 = 79

53. (e); Employees taking training in FS but not in HRM = 87 + 21 = 108

54. (a); Required Clerks = 47 + 50 + 9 + 9 = 115

55. (c); Required % = $\frac{20+20}{200} \times 100 = 20\%$

56. (c); Required % = $\frac{360}{520} \times 100 = 69\frac{3}{13}\%$

57. (e); Required difference = $\frac{115}{100} \times 740 - \frac{95}{100} \times 680 = 851 - 646 = 205$

58. (c); Required Students = $\frac{40}{100} \times 180 + \frac{35}{100} \times 320 + \frac{45}{100} \times 240 = 72 + 112 + 108 = 292$

59. (d); Required % = $\frac{1060}{1340} \times 100 \approx 79\%$

60. (a); Required students = $\frac{25}{100} \times \frac{40}{100} \times 220 + \frac{2}{3} \times \frac{45}{100} \times 280$
 = 22 + 84
 = 106

61. (d); Tea exported in 2009 = $\frac{58.5}{100} \times 2500 = 1462.5 \text{ kg}$
 tea exported in 2008 = 1014 kg
 % increase = $\frac{1462.5-1014}{1014} \times 100 = 44.23 \approx 45\%$

62. (a); Exported coffee in 2008 = $\frac{44.6}{100} \times 2500 = 1115 \text{ kg}$
 exported coffee in 2010 = $\frac{33.4}{100} \times 2500 = 835 \text{ kg}$
 average = $\frac{1115+835}{2} = 975 \text{ kg}$

63. (c); Exported coffee in 2007 = $\frac{55.2}{100} \times 2000 = 1104 \text{ kg}$
 exported tea in 2007 = $\frac{55.7}{100} \times 3000 = 1671 \text{ kg}$
 % age = $\frac{1104}{1671} \times 100 = 66.06 \approx 66\%$

64. (e); Exported tea in 2007 = 1671 kg
 exported tea in 2008 = 1014 kg
 exported tea in 2007 and 2008 together = 1671 + 1014 = 2685 kg
 exported coffee in 2007 = 1104 kg
 exported coffee in 2008 = 1115 kg
 exported coffee in 2007 and 2008 together = 1104 + 1115 = 2219 kg
 Difference = 2685 - 2219 = 466 kg

65. (b); Exported coffee in 2006 = $\frac{42.8}{100} \times 4500 = 1926 \text{ kg}$
 exported coffee in 2007 = $\frac{55.2}{100} \times 2000 = 1104 \text{ kg}$
 exported coffee in 2008 = $\frac{44.6}{100} \times 2500 = 1115 \text{ kg}$
 exported coffee in 2009 = $\frac{28.5}{100} \times 4000 = 1140 \text{ kg}$
 exported coffee in 2010 = $\frac{33.4}{100} \times 2500 = 835 \text{ kg}$
 exported coffee in 2011 = $\frac{68.5}{100} \times 5000 = 3425 \text{ kg}$
 Total exported coffee in all years together = 1926 + 1104 + 1115 + 1140 + 835 + 3425 = 9545 kg

66. (a); Revenue earned by laptop in 3rd quarter = $\frac{45}{100} \times \frac{32}{100} \times 500 = 72 \text{ cr}$
 Revenue of printer in 2nd and 4th quarter = $\frac{(21+23)}{100} \times \frac{24}{100} \times 500 = 52.8 \text{ cr}$
 Required percentage = $\frac{72-52.8}{52.8} \times 100 \approx 36.36\%$

67. (c); Revenue from mobile in 2nd and 3rd quarter = 28.5 cr
 Revenue of printer from 1st and 2nd quarter = 74.4 cr
 Ratio = 285 : 744

68. (e); Total revenue in quarter 2
 = $\left(\frac{10}{100} \times 500 \times \frac{25}{100}\right) + \left(\frac{32}{100} \times 500 \times \frac{16}{100}\right) + \left(\frac{24}{100} \times 500 \times \frac{23}{100}\right) + \left(\frac{25}{100} \times 500 \times \frac{27}{100}\right) + \left(\frac{9}{100} \times 500 \times \frac{28}{100}\right) = 112.05 \text{ cr}$
 total revenue in quarter 3

$\left(\frac{10}{100} \times 500 \times \frac{32}{100}\right) + \left(\frac{32}{100} \times 500 \times \frac{45}{100}\right) + \left(\frac{24}{100} \times 500 \times \frac{17}{100}\right) + \left(\frac{25}{100} \times 500 \times \frac{11}{100}\right) + \left(\frac{9}{100} \times 500 \times \frac{21}{100}\right) = 131.6 \text{ cr}$
 Difference = 19.55 cr

69. (a); revenue from sales of printer in 1st, 3rd and 4th quarter = $\frac{24}{100} \times 500 \times \frac{77}{100} = 92.4 \text{ cr}$
 Revenue from sales of laptop from 2nd and 4th quarter = $\frac{32}{100} \times 500 \times \frac{28}{100} = 44.8 \text{ cr}$
 $\frac{92.4}{44.8} = 2.0625 \approx 2.05$

70. (a); Revenue from sales of laptop and printer in Quarter 1 = $\frac{32}{100} \times 500 \times \frac{27}{100} + \frac{24}{100} \times 500 \times \frac{39}{100} = 90 \text{ cr}$
 Total revenue in quarter 2 = 112.05 cr
 % age = $\frac{90}{112.05} \times 100 = 80.32 \approx 80\%$

71. (b); Total investment = $\frac{812500}{65} \times 100 = 1250000$
 Total income = 1250000 + 812500 = 2062500

72. (d); $\frac{APE}{70} \times 100 = \frac{BPE}{55} \times 100$
 $\frac{APE}{BPE} = \frac{14}{11}$

73. (b); B's investment = x
 A's investment = 2x
 3x = 27
 x = 9 lakh
 A's profit = $\frac{75 \times 2x}{100} = 13.5$
 B's profit = $\frac{80 \times x}{100} = 7.2$
 Total Profit = 13.5 + 7.2 = 20.70 lakhs

74. (a); Profit earned of company A in 2007 = $\frac{45 \times 12}{100} = 5.4 \text{ lakh}$
 Total income = 5.4 + 12 = 17.4
 \therefore Income of A in 2008 = 17.4
 Let A's investment = x
 \therefore A's profit = 17.4 - x
 60x = 1740 - 100x
 160x = 1740
 = 10.875 lakh
 = 1087500 Rs.

75. (e); Required total investment = $\frac{10.15}{55} \times 100 = 18.45 \text{ lakh}$

76. (b); Average export of textile industry over the period = $\frac{30}{100} \left(\frac{34+32+26+28+27+35}{6}\right) = \frac{3}{10} \times \frac{182}{6} = 9.1 \text{ billions}$

77. (a); Required amount increase = $\frac{28}{100} \left(\frac{10}{100}\right) \times 34 = 0.952 \text{ billion}$

78. (b); Required % = $\frac{6.12-4.20}{4.2} \times 100 = \frac{1.92}{4.2} \times 100 = 45.7\%$

$$79.(b); \text{ Required ratio} = \frac{\frac{12}{100} \times 27}{\frac{30}{100} \times 34} = \frac{3.24}{10.2} = 0.31$$

$$80.(c); \text{ Required \%} = \frac{\frac{28+12}{100} \times 32}{\frac{18+12}{100} \times 35} \times 100$$

$$= \frac{12.8}{10.5} \times 100 \approx 120\%$$

81. (d); It is given in the second paragraph of the passage that 'Richard Rorty once sighed that religion was a conversation-stopper: If someone claims to be acting for religious reasons, what is there to say?' from this sentence, we can conclude that (d) is the most appropriate option.
82. (b); It is given in the second paragraph of the passage that 'Progressives have a much more difficult time,On the one hand, religion is transparently absurd, but on the other the triumphant atheism of Richard Dawkins is embarrassing, too.' from this we can conclude that (b) is the most appropriate option. Please note that other options are given to confuse the candidate. Option (a) is just a restatement from the passage but after a close reading of the passage one can easily observe that it doesn't elaborate the cause of his difficulties. Option (c) is an incomplete sentence from the passage, given to confuse the candidate. Other options cannot be inferred from the passage. Hence, (b) is the correct option.
83. (e); It is given in the last paragraph of the passage that '...he argues that only a revived form of philosophical relativism can get us out of the secular-religious bind...' from this we can conclude that (e) is the most appropriate option.
Relativism: The doctrine that knowledge, truth, and morality exist in relation to culture, society, or historical context, and are not absolute.
84. (d); From the statement given in the first paragraph '.....These claims often come from people who are not themselves affiliated with those faiths or any other: they are political interventions.....' one can easily infer that (d) is the correct options.
85. (d); It is given in the second paragraph that '....that evangelical voters cling to guns and religion because they are distracted from their true economic interests.' Hence we can conclude that (d) is the correct option.
86. (e); It is given in the third paragraph that '..... religion would either vanish altogether or become privatized as societies industrialized. As these predictions have proven faulty....'. As we can see that one prediction (vanishing of religion) is independent of the other one (privatization of religion). Hence (b) and (c) are not the correct options. (a) is not given in the passage. (d) can also not be inferred.
87. (c); '**QUANDARY**' means 'a difficult situation; a practical dilemma.'. So 'Predicament' is the word which is most similar in meaning to it.
88. (d); '**RICOCET**' means 'rebound off a surface'. So 'Recoil' is the word which is most similar in meaning to it.
89. (d); '**MASQUERADING**' means 'pretend to be someone one is not.'. So 'Reveal' is the word which is most opposite in meaning to it.
90. (e); '**EXEGESIS**' means 'critical explanation or interpretation of a text, especially of scripture.'. So 'Accolade' is the word which is most opposite in meaning to it.
91. (e); Since the paragraph is talking about the (positive) performance of India. Hence 'growth' a positive (in sense) noun should be used with it.
92. (c); Superlative degree is used after the definite article, hence (c) is the correct option.
93. (c); 'thus' is the correct option. Here, 'thus' is used to mean 'this way'.
94. (b); 'would reveal' in the sentence makes it clear that the first verb with 'while many' must be in the past tense.
95. (d); the usage of the word 'rather' after the blank suggests that the correct option should be (d) in contrast to the word 'strength' hence 'weakness' is the correct option.
96. (b); 'would have' will take a verb in past participle form. Hence, 'plan' can't be used. Also, 'dreamed' takes preposition 'of'. Hence 'dreamed' is the correct option.
97. (b); 'To take place' which means 'to happen'.
98. (e); Here, a verb in past participle form is required. Hence, 'thought' is the only option.
99. (e); Out of the given option only 'proud' takes preposition 'of', hence, (e) is the correct option.
100. (c); Out of the given options, only 'challenge' goes with the meaning of the sentence. Hence, (e) is the correct option
101. (c); Possibility which is strong and gives the sense of ability must be conveyed by the use of 'can'. So, (c) is appropriate.
102. (c); In sentences with structure 'sub' + as well as + 'sub', the verb which follows depends on the number of subject which is used before 'as well as'. Since, Rahul is singular, verb used should also be singular hence either (b) or (c) is the correct option. But, since, the question doesn't show a point or period of time, we are left with (c) which is the correct option.
103. (e); No correction required
104. (a); 'not only' is used with 'but also' so either (a) or (b) is the correct option. Now this sentence has the structure 'adverb (infinitely) + adjective (desirable)' so the usage of and is superfluous. Hence, (a) is the correct option.
105. (c); After 'one of' the verb agrees to the noun that follows it. Here, 'stories' is plural so 'have' should be used.
106. (e); No error.
107. (a); Replace 'a' with 'the'. Since, the given sentence talks about a particular hotel (the one which was inaugurated by the Prime Minister) hence, definite article should be used

108. (a); The given sentence talks about 'youth' (the stage of life) in a general way. Hence, 'the' cannot be used before 'youth'. However, if we talk about the 'youth' in a particular way, we will have to use 'the'

For eg: The youth of India is very hardworking.

109. (d); 'Other' should be used in place of 'their'. Since 'their' does not go with the meaning of the sentence, hence, (d) is the correct option.

110. (c); Use 'has' in place of have. Since, the subject in the given sentence is 'invention' which is singular hence verb used must also be singular.

The correct sequence to form a meaningful paragraph is **FCBDEAHG**

111. (e); D

112. (a); C

113. (d); A

114. (e); H

115. (b); G

IBPS PO MAINS : PRACTICE SET

REASONING

Directions (1-5): In each question 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 with commonly known facts. Read all the conclusions and then decide which of the given conclusions definitely does not logically follow from the given statements, disregarding commonly known facts.

Give answer

(a) if only conclusion I does not follow.

(b) if only conclusion II does not follow.

(c) if only conclusion III does not follow.

(d) if both conclusions I and II do not follow.

(e) None of these

Statements: Some cash are notes.

No notes are coins. All coins are mint.

1. **Conclusions :** I. Some mint are not notes.

II. No cash are coins. III. No coins are notes.

2. **Conclusions :** I. At least some cash are not coins.

II. At least some mints are coins.

III. At least some notes are not mints.

3. **Statements:** No thread is a needle.

Some ropes are needles. All ropes are scissors.

Conclusions: I. At least some needles are scissors.

II. Some ropes are not threads.

III. No rope is scissors.

4. **Statements:** Some PO's are Clerk.

All Clerks are cashier. No cashier is a manager.

Conclusions: I. Some PO's are cashiers.

II. Some cashiers are Clerks.

III. All managers being Clerks is a possibility.

5. **Statements:** All Engineers are officers.

All officers are directors. No director is a doctor.

Conclusions: I. At least some officers are doctors.

II. Some officers not being Engineers is a possibility.

III. Some doctors are definitely not directors.

Directions (6-10): Study the following information carefully and 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 in each step. The following is an illustration of input and rearrangement.

Input: 202 nokia 65 samsung 116 micromax 5 apple 610 lenovo Panasonic 51 huawei

Step I: 610 202 nokia 65 samsung 116 micromax 5 apple lenovo panasonic 51 huawei

Step II: 610 202 65 nokia samsung 116 micromax 5 apple lenovo panasonic 51 huawei

Step III: 610 202 65 116 nokia samsung micromax 5 apple lenovo panasonic 51 huawei

Step IV: 610 202 65 116 5 nokia samsung micormax apple lenovo panasonic 51 huawei

Step V: 610 202 65 116 5 51 nokia samsung micromax apple lenovo panasonic huawei

Step VI: 610 202 65 116 5 51 huawei nokia Samsung micromax apple lenovo Panasonic

Step VII: 610 202 65 116 5 51 huawei panasonic nokia samsung micromax apple lenovo

Step VIII: 610 202 65 116 5 51 huawei panasonic micromax nokia samsung apple lenovo

Step IX: 610 202 65 116 5 51 huawei panasonic micromax nokia lenovo samsung apple

Step X: 610 202 65 116 5 51 huawei panasonic micromax nokia Lenovo apple Samsung

And Step X is the last step of the above input, as the desired arrangement is obtained. As per the rules followed in the above questions find the appropriate step for the given input.

Input: "24 whirlpool 55 kelvinator 81 godrej hitachi 200 electrolux 43 bluestar 315 sharp"

6. Which of the following is the last step but one?
 - (a) VII
 - (b) VIII
 - (c) IX
 - (d) X
 - (e) None of these
7. If '24' is related to 'kelvinator' and 'godrej' is related to '43', 'electrolux' is related to which of the following in step III?
 - (a) bluestar
 - (b) 43
 - (c) 315
 - (d) sharp
 - (e) None of these
8. Which of the following is third to the left of the one that is 8th from the left end in Step III?
 - (a) godrej
 - (b) kelvinator
 - (c) whirlpool
 - (d) 24
 - (e) None of these
9. Which is the position of 'kelvinator' in Step VI?
 - (a) 7th from the right
 - (b) 8th from the left
 - (c) 6th from the left
 - (d) 5th from the right
 - (e) None of these
10. Which of the following will be Step V of the rearrangement?
 - (a) 315 81 200 43 24 whirlpool 55 kelvinator godrej hitachi electrolux bluestar sharp
 - (b) 315 81 200 43 55 24 whirlpool kelvinator godrej hitachi electrolux bluestar sharp
 - (c) 315 81 200 24 whirlpool 55 kelvinator godrej hitachi electrolux 43 bluestar sharp
 - (d) 315 81 200 24 whirlpool 55 kelvinator godrej hitachi electrolux bluestar sharp 43
 - (e) None of these.

Directions (11-15): Read the following information carefully and answer the questions given below:

Seven athletes participated in a race competition. There were two types of race in the competition - one was of 100m and the other of 200m. The athletes who participated in both the races were LeBron James, Michael Jordan, Peyton Manning, Kobe Bryant, David Beckham, Tiger Woods and Chad Johnson. Each athlete completed each race in different time periods, ie no race was completed by any two or more athletes in the same time period. Each athlete was given a particular position according to his performance. The one who got the top position performed

better than others while one who got the lowest position performed worse. LeBron James position in 100m race was just above Tiger Woods but in 200m race just below Peyton Manning. Kobe Bryant position in 200m race was just above Chad Johnson but in 100 m race just below David Beckham. No persons were assigned positions between LeBron James and Kobe Bryant. At least four persons got positions above LeBron James in 100m race and at least four persons below in 200m race. Peyton Manning did not get the highest or the lowest position in any race. Tiger Woods performance was better than Chad Johnson in any race.

11. How many persons got position below LeBron James when the performance of all persons in 100 m race is taken into consideration?
 - (a) Two
 - (b) Five
 - (c) Four
 - (d) One
 - (e) None of these
12. In 200m race, how many persons performed better than LeBron James?
 - (a) Six
 - (b) Five
 - (c) Four
 - (d) Two
 - (e) None of these
13. Who among the following got the same position both in 100m and 200m races?
 - (a) Only Peyton Manning
 - (b) Only Kobe Bryant
 - (c) Both Peyton Manning and Kobe Bryant
 - (d) Can't say
 - (e) None of these
14. Who among the following persons showed very dismal performance in 100m race?
 - (a) Michael Jordan
 - (b) David Beckham
 - (c) Chad Johnson
 - (d) Can't say
 - (e) None of these
15. Who got the position, just above Peyton Manning in the 100 m race?
 - (a) David Beckham
 - (b) LeBron James
 - (c) Chad Johnson
 - (d) Michael Jordan
 - (e) none of these

Directions (16-20): Study the following information and answer the questions that follow:

Eight students Adrian, Braendon, Carson, Danial, Edward, Freddy, Griffin and Hudson in a school sports competition participated in a game in which they were sitting around a circular ring. The seats of the ring are not directed towards the Centre. All the eight students are in four groups I, II, III and IV, ie two students in each group, but not necessarily in the same order. These students are from different sports clubs, viz ChiSox, Citizens, Clarets, Hawks, Knicks, Lambs, Leeds United and Chicago Bears.

- No two students of the same group are sitting adjacent to each other except those of group III. Students from group IV are sitting opposite each other.
- Danial is neither in Chicago Bears nor in Clarets club.
- The student from Leeds United club is sitting on the immediate right of the student from Chicago Bears club.

- Carson, who is in Hawks club, is in group I. She is sitting on the immediate right of Freddy, who is in group III.
- Freddy is not in Clarets club and she has also participated in other sports.
- Braendon from Citizens club is neither in group IV nor in group I or II.
- Braendon is sitting opposite Edward. Only Lambs participant Adrian is sitting between Leeds United participant Edward and the Knicks participant.
- Both the students of group II are sitting adjacent to students of group IV.

16. Who is in ChiSox club?

- (a) Griffin (b) Freddy (c) Hudson
(d) Can't say (e) None of these

17. 'Hudson is in which club?

- (a) Chicago Bears (b) Knicks (c) ChiSox
(d) Can't say (e) None of these

18. Who among the following students are in group IV?

- (a) Adrian and Braendon (b) Adrian and Carson
(c) Griffin and Hudson (d) Data inadequate
(e) None of these

19. The student from which club is sitting opposite the Hawks club participant?

- (a) Chicago Bears (b) Knicks (c) Leeds United
(d) Can't Say (e) None of these

20. Which of the following statements is false?

- (a) The Lambs representative is sitting opposite the ChiSox club representative.
(b) The Citizens club representative is sitting opposite the Leeds United club representative.
(c) Hudson and Griffin are sitting opposite each other.
(d) The two girl-participants are sitting opposite each other.
(e) None of these

Directions (21-23): Read the following passage carefully and answer the questions given below. The government's version of the Lokpal Bill says that sitting prime ministers will not come under the ombudsman's lens. Now, the Lokpal will have jurisdiction over ministries, but not the prime minister. It's a mistake. He is the head of the Cabinet and the first among equals; as liable to scrutiny as his peers. Ministries and various departments are the functioning arms of the government, which enforce rules. The root of corruption lies in how these rules and policies are administered.

21. Which of the following is the conclusion of the above discussion?

- (a) The government has no will to fight corruption.
(b) In case the prime minister is brought under the purview of the Lokpal, his office may face frequent frivolous allegations.

(c) Keeping the prime minister out of the purview of the Lokpal will render the institution impotent to check corruption in the country.

(d) Ministries and departments are not under the effective control of the government.

(e) None of these

22. Which of the following is the assumption of the above discussion?

(a) The incumbent government wants to protect the prime minister from facing corruption charges.

(b) The prime minister wants to maintain his supremacy over the ministers.

(c) The prime minister is a constitutional position and it can't be brought under the Lokpal.

(d) Bringing ministers under the Lokpal is enough to check corruption in high places.

(e) None of these

23. Which of the following is an inference of the above passage?

(a) There are fundamental flaws in how policies and rules are administered by ministries and departments.

(b) Ministries and departments are incapable of enforcing rules and policies properly in lack of support from ministers.

(c) Scrutiny of ombudsman is not a necessary factor for controlling corruption.

(d) Only sitting prime ministers are accused of corruption charges.

(e) None of these

24. Read the following passage carefully and answer the question given below.

Though focused on inflation, the RBI's monetary policy can never ignore economic growth. The RBI has recognized the signs of slowdown but says that it is essentially confined to sectors that are sensitive to interest rates. There is no evidence yet of a broad-based slowdown.

Which of the following weakens the above discussion?

(a) Hike in short-term lending and borrowing rates contain inflation and control price rise.

(b) Measures to control inflation hurt investment across all sectors.

(c) The costly auto, home and corporate loans do not have overall impact on the economy.

(d) The stock markets, bankers and corporate leaders do not represent overall economy of the country.

(e) None of these

25. Read the following passage carefully and answer the question given below.

It is a major contradiction in India's healthcare service: even as there has been a mushrooming of huge, well equipped, multi-discipline hospitals in big cities serving the rich,

thousands of rural India's poor patients have to go without a semblance of medical care.

Which of the following in an assumption of the above passage?

- Rural India lacks sufficient trained medical personnel to take care of poor patients.
- Rural poor bear the brunt of government apathy towards their health even as rich among them avail superior healthcare facilities in nearby cities.
- The government wants the rural people to opt for city-based specialty hospitals in case of serious illness.
- The rural poor are themselves to blame for poor medical facilities as they go for indigenous medical systems.
- None of these

Directions (26-30): Each of the questions below, consist a question and three statements numbered I, II and III. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the three statements and Give answer

- If the data in statement I and II together are sufficient to answer the question, while the data in statement III are not required to answer the question.
- If the data in statement I and III together are sufficient to answer the question, while the data in statement II are not required to answer the question.
- If the data in statement II and III are sufficient to answer the question, while the data in statement I are not required to answer the question.
- If the data in all three statements I, II and III together are necessary to answer the question.
- If the data in all the statements, I, II and III even together are not sufficient to answer the question.

26. Among eight friends A, B, C, D, P, Q, R and S, who is sitting between B and R? (it is given that all the friends are sitting around circular table facing outside the centre of the table.

Statements: I. S is seated third to the left of D, who is not near to A.

II. P is seated immediate right of D and third to the right of R, who is near to C.

III. Q is seated third to the left of A, who is second to the right of B, who is not near to C.

27. What is the code for 'RUN' in a certain code language?

Statements: I. In a certain code language 'run your business' is coded as 'lap duh pud' and 'mind your language' is coded as 'hpu dap lap'.

II. In a certain code language 'run fast and win' is coded as 'phl pud lph hap' and 'go and move ahead' is coded as 'hap pul pah lph'

III. In a certain code language 'move your legs' is coded as 'pah lap plh' and 'legs go on' is coded as 'pal plh pul'

28. Point X is in which direction with respect to J ?

Statements: I. Point S is to the west of point T, which is in south of point J. Point X is to the north of point S.

II. Point J is to the east of point V, which is the south of point T. Point X is to the south of point W.

III. Point T is to the west of point Y, which is to the north of point W.

29. Eight students A, B, C, D, E, F, G and H are sitting around a circle facing to the centre of the table. How many students are sitting between C and F ?

Statements: I. A is seated second to the right of H, who is seated third to the right of D. G is seated immediate left of F.

II. C is seated third to the right of A and is not near to E. F is seated second to the right B.

III. D is seated second to the left of E and is third to right of G. C is an immediate neighbor of H.

30. Who earns highest salary among six members in a family? (six members A, B, C, D, E and F are earning different salaries)

Statements: I. A earns more than only C and D. F earns more than B.

II. B earns less than E while D earns more than A and F.

III. C earns more than E but less than D. F earns more than two persons.

Directions (Q.31-35): Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument. Give answer as:

- if only argument I is strong
- if only argument II is strong
- if either I or II is strong
- if neither I nor II is strong
- if both I and II are strong

31. Statement : Should the educated unemployed youth be paid "unemployment allowance" by the Government?

Arguments: I. Yes. It will provide them some monetary help to either seek employment or to kickstart some 'self-employment' venture.

II. No. It will dampen their urge to do something to earn their livelihood and thus promote idleness among the unemployed youth.

32. Statement : Should all the practicing doctors be brought under Government control so that they get salary from the Government and treat patients free of cost?

Arguments: I. No. How can any country do such an undemocratic thing?

II. Yes. Despite many problems, it will certainly help minimize, if not eradicate, unethical medical practices.

33. Statement : Should there be concentration of foreign investment in only few states?

Arguments: I. No. It is against the policy of overall development of the country.

II. Yes. A large number of states lack infrastructure to attract foreign investment.

34. Statement : Should India engage into a dialogue with neighbouring countries to stop cross border tension?

Arguments: I. Yes, This is the way to reduce the cross border terrorism and stop loss of innocent lives.

II. No, Neighbouring countries cannot be relied upon in such matters, they may still engage in subversive activities.

35. Statement : Should system of offering jobs only to the wards of government employees be introduced in all government offices in India?

Arguments: I. No. It denies opportunity to many deserving individuals and government may stand to lose in the long run.

II. No. It is against the principle of equality. Does not government owe its responsibility to all its citizens?

Directions (36-40): Study the following information carefully and answer the questions which follow.

In a conference 8 people Mike, Nestor, Oliver, Porter, Quinton, Roger, Sebastian and Trent from different cities London, Paris, New York, Durban, Sydney, Moscow, Dhaka and Kabul not necessarily in same order sitting around a rectangular table. 3 persons are sitting on each longer side and each one on the smaller sides.

Porter is sitting second to the right of the person who is from Kabul. Quinton is sitting third to the left of the person who is from Moscow. Roger and Sebastian are sitting opposite each other. Oliver is sitting diagonally opposite the person from Dhaka. Nestor is sitting opposite the person who is from London. The person from Durban is sitting second to the right of the person from Sydney and second to the left of Mike, who is not sitting near the person who is from Dhaka. Sebastian is sitting on the smaller side and to the right of the person who is from Dhaka. Persons from Sydney and Durban are not on the same side of the table. The person from Durban is sitting third to the right of the person from Kabul, who is not sitting diagonally opposite the person from Paris. The person from Durban is third to the left of Oliver. Roger sits second to the left of Trent. The person from Paris sits opposite to the person from Sydney.

36. Who is sitting third to the right of the person from Moscow?

- (a) Quinton (b) Person from Sydney
(c) Mike (d) Person from Dhaka
(e) None of these

37. Who is definitely sitting diagonally opposite to Porter?

- (a) Mike (b) Oliver
(c) Person from Paris (d) Person from New York
(e) Can't be determined

38. According to the sitting arrangement what will come in place of question mark?

Porter : Durban :: Oliver : ?

- (a) Moscow (b) Sydney (c) New York
(d) Kabul (e) None of these

39. From which city does Mike belong?

- (a) Paris (b) London (c) Sydney
(d) Kabul (e) Can't be determined

40. Which of the following combinations is definitely correct?

- (a) Trent – Kabul (b) Porter – Sydney
(c) Mike – New York (d) Sebastian – Durban
(e) None of these

Direction (41-45) : Study the following information carefully to answer the given questions.

Eight directors of different horror movies, viz. The Conjuring, The Descent, I Saw the Devil, The Devil's Rejects, The House of the Devil, Dawn of the Dead, Shadow of the Vampire and Evil Dead, are sitting in two parallel rows containing four directors each, in such a way that there is an equal distance between adjacent directors. In row 1, Neil Marshall, Kim Jee Woon, James Wan and Elias Merhige are sitting and all of them are facing north.

In row 2, Ti West, Fede Alvarez, Zack Snyder and Rob Zombie are sitting and all of them are facing south. Therefore, in the given seating arrangement each member sitting in a row faces another member of the other row. The director of The House of the Devil faces the one who is on the immediate left of James Wan. James Wan is neither the director of The Descent nor of I Saw the Devil. An immediate neighbour of Ti West faces the director of The Conjuring. The director of Dawn of the Dead faces the person who is on the immediate left of the director of The Descent. There is only one person sitting between the director of The Descent and Shadow of the Vampire but that director is not Neil Marshall. The director of The Descent and I Saw the Devil are not sitting at the extreme ends. Fede Alvarez sits on the immediate left of the director of The House of the Devil. Director of The Devil's Rejects and Dawn of the Dead are immediate neighbours. Zack Snyder and Kim Jee Woon are not sitting at any of the ends. Elias Merhige faces the one who is sitting on the immediate right of the director of Dawn of the Dead. Ti West is not the director of Dawn of the Dead or The Devil's's Rejects.

41. Which of the following statements is true regarding the director of Evil Dead?

- (a) The director is sitting at the immediate right of the director of The House of the Devil
(b) The director is sitting opposite to the left of the director of Shadow of the Vampire
(c) The director is sitting opposite to the right of the director of I Saw the Devil
(d) The director is sitting at the centre
(e) None of these

42. Which of the following statements is false regarding Elias Merhige?

- (a) Elias Merhige is the director of Shadow of the Vampire.
(b) Elias Merhige is sitting at one of the extreme ends.

(c) Elias Merhige is on the immediate left of the director of I Saw the Devil.

(d) Elias Merhige is sitting opposite the director of Dawn of the Dead.

(e) All are true

43. Four of the following five are alike in a certain way based on the given seating arrangement and thus form a group. Which is the one that does not belong to that group?

(a) The Conjuring (b) Rob Zombie (c) Evil Dead

(d) Elias Merghie (e) Zack Synder

44. Rob Zombie is related to The Descent in the same way as Kim Jee Woon is related to Evil Dead based on the given arrangement. Who amongst the following is James Wan related to, following the same pattern?

(a) Shadow of the Vampire (b) The Conjuring

(c) The Devil's Rejects (d) Dawn of the Dead

(e) None of these

45. Who is sitting between Rob Zombie and the director of The Descent when the director of The House of the Devil exchanges its position to the director sitting to its opposite?

(a) The director of I Saw the Devil

(b) Ti West and the director of Dawn of the Dead

(c) The director who faces the one who is director of Dawn of the Dead

(d) The director who faces the one who is director of I Saw the Devil

(e) None of these

Directions (46-50): Study the given information carefully to answer the given question.

J, K, L, M, N, O and P live on seven different floors of a building but not necessarily in the same order. The lower most floor of the building is numbered 1, the one above that if numbered 2 and so on till the topmost floor is numbered 7. Each one of them also likes a different Series namely — The Sopranos, Game of Thrones, Generation Kill, Band of Brothers, The pacific, Black Mirror and Jane Eyre. (But not necessarily in the same order.)

- J lives on an odd numbered floor but not on the floor numbered 3. The one who like The pacific lives immediately

above J. Only two people live between M and the one who likes The pacific.

- The one who likes Game of Thrones lives on one of the odd numbered floors above M. Only three people live between L and the one who likes Game of Thrones. The one who likes Generation Kill lives immediately above L.

- The one who likes The Sopranos lives immediately above the one who likes Jane Eyre. P lives on an odd numbered floor.

- Only one person lives between K and N. K lives on one of the floors above N. Neither L nor J like Band of Brothers. N does not like Generation Kill.

46. Which of the following Series does J like?

(a) Black Mirror (b) Jane Eyre (c) Generation Kill

(d) Game of Thrones (e) The Sopranos

47. Which of the following combinations is true with respect to the given arrangement?

(a) Black Mirror-L (b) Game of Thrones - O

(c) Jane Eyre - P

(d) The pacific - M (e) Band of Brothers - K

48. If all the people are made to sit in alphabetical order from top to bottom, the positions of how many people will remain unchanged?

(a) Four

(b) None

(c) Two

(d) One

(e) Three

49. Which of the following statements is true with respect to the given arrangement?

(a) The one who likes Jane Eyre lives immediately below J.

(b) O likes Game of Thrones.

(c) None of the given options is true.

(d) Only four people live between M and P.

(e) P lives immediately below N.

50. Who amongst the following lives on the floor numbered 2?

(a) K

(b) The one who likes The Sopranos

(c) The one who likes Jane Eyre

(d) M

(e) O

MATH'S

Directions (51-55): In each of the following questions, a question is followed by information given in three Statements I, II and III. You have to study the question along with the statements and decide the information given in which of the statement (s) is necessary to answer the question.

51. In how many days 10 women can finish the work?

I. 10 men finish the work in 6 days

II. 10 women and 10 men finish the work in $3\frac{3}{7}$ days.

III. If 10 men work 3 days and after that 10 women are deployed to work for men, the rest work is finished in 4 days.

(a) I and II (b) Any two of three

(c) I and III (d) II and III (e) None of these

52. What is the present age of Sabir?

I. The present age of Sabir is half of his father's age.

II. After five years the ratio of ages of Sabir and his father is 6 : 11.

III. Sabir is younger to his brother by five years.

(a) I and II (b) I and III (c) II and III

(d) All of these (e) Cannot be determined

53. What is two digit number?

- I. The difference between the number and the number formed by interchanging the digit is 27.
 II. The difference between two digits is 3.
 III. The digit at unit's place is less than that at ten's place by 3.
 (a) I and II (b) I and either I or III
 (c) I and III (d) All of these (e) None of these
54. What is the rate of interest Percent per annum?
 I. An amount doubles itself in 5 yr on simple interest.
 II. Difference between the compound interest and the simple interest earned on a certain amount in two years is Rs. 400.
 III. Simple interest earned per annum is Rs. 2000.
 (a) Only I (b) II and III
 (c) Any two of three (d) I or II and III (e) Only I or II and III
55. What is the cost of flooring the rectangular hall?
 I. Length and the breadth of the hall are in the ratio of 3 : 2
 II. Length of the hall is 48 m and cost of flooring is Rs. 850 per sq m.
 III. Perimeter of the hall is 160 m and cost of flooring is Rs. 850 per sq m.
 (a) I and II (b) I and III (c) Only III
 (d) I and either II or III (e) Any two of the three

Direction (56-60): What should come in place of question mark (?) in the following number series?

56. 17, 16, 36, 99, 412, ?
 (a) 2012 (b) 2025 (c) 2500
 (d) 825 (e) 800
57. 4762, 4627, 4494, 4363, 4234, ?
 (a) 4147 (b) 4137 (c) 4127
 (d) 4117 (e) 4107
58. 3, 5.5, 13, 35.5, ?
 (a) 399.25 (b) 395.25 (c) 391.75
 (d) 391.25 (e) 715.25
59. 18, 97, 396, 1197, 2404, ?
 (a) 2816 (b) 3215 (c) 3612
 (d) 2415 (e) 3600
60. 2, 26, 144, 590, 1164, ?
 (a) 1864 (b) 1732 (c) 1460
 (d) 1296 (e) 1182

Directions (61-65) : Study the following information carefully to answer the given questions.

In a medical college, there are 1600 students studying Dentistry and Homeopathy. Each student from each course knows one or more languages out of English, Hindi and Bangla.

Directions (66-70): Study the table to answer the given questions.

City	Percentage of people (male and female) who watch the TV Series out of the total population of the city								
	Total population of the city	Big Bang Theory		Arrow		Breaking Bad		Mentalist	
		Male	Female	Male	Female	Male	Female	Male	Female
P	40000	12	14	22	18	18	20	12	10
Q	20000	10	20	20	16	14	10	15	30

45% of the students study Dentistry and remaining students study Homeopathy.

Out of the students studying Dentistry, boys and girls are in the ratio of 5 : 3 respectively.

Out of the boys studying Dentistry, 16% know only English, 10% know only Hindi and 4% know only Bangla. 24% know English as well as Hindi. 20% know English as well as Bangla. 14% know Hindi as well as Bangla. Remaining boys know all three languages.

Out of the girls studying Dentistry, 20% know only English, 10% know Hindi and 10% know only Bangla. 20% know English as well as Hindi. 20% know English as well as Bangla. 10% know Hindi as well as Bangla. Remaining girls know all three languages.

Out of the students studying Homeopathy boys and girls are in the ratio of 4 : 7 respectively. Out of the boys studying Homeopathy, 20% know only English, 15% know only Hindi and 5% know only Bangla, 15% know English as well as Hindi. 25% know English as well as Bangla. 10% know Hindi as well as Bangla. Remaining boys know all three languages. Out of the girls studying Homeopathy, 15% know only English, 15% know only Hindi and 5% know only Bangla. 20% know English as well as Hindi, 20% know English as well as Bangla. 15% know Hindi as well as Bangla. Remaining girls know all three languages.

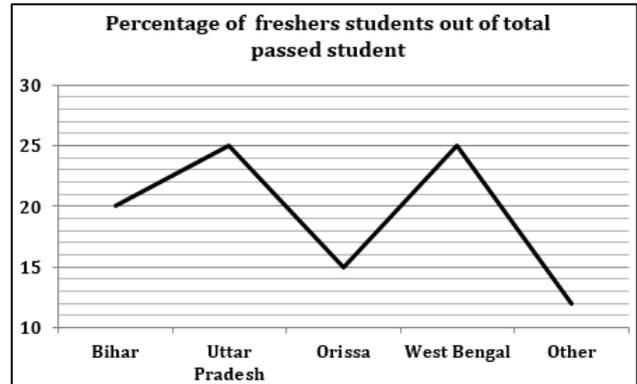
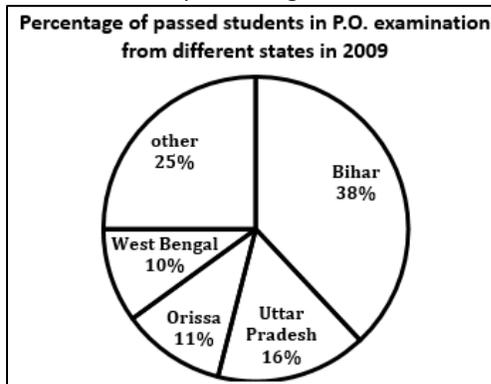
61. How many students of Dentistry know only either English or Hindi?
 (a) 166 (b) 162 (c) 308
 (d) 198 (e) 248
62. How many students in the college know all three languages?
 (a) 108 (b) 132 (c) 169
 (d) 137 (e) 142
63. What percent of the total number of girls in the college know of Bangla?
 (a) 45% (b) 40% (c) 48%
 (d) 42% (e) 50%
64. Out of the total number of students studying Dentistry, what percent knows at least two languages?
 (a) $61\frac{12}{13}\%$ (b) $57\frac{13}{16}\%$ (c) $59\frac{13}{17}\%$
 (d) $66\frac{1}{4}\%$ (e) $62\frac{12}{19}\%$
65. What percent of the total number of girls in the college do not know Hindi? (Rounded off to nearest integer)
 (a) 38% (b) 46% (c) 48%
 (d) 36% (e) 43%

R	50000	18	12	10	22	16	12	16	22
S	30000	16	20	10	20	12	30	18	12
T	50000	22	30	12	14	20	12	15	20

- 66.** What is the difference between the total number of people living in City R, Q and T together who do not watch Arrow and the total number of people living in these three cities together who watch Arrow?
 (a) 47200 (b) 45300 (c) 47400
 (d) 47600 (e) 45600
- 67.** What is the average number of male who watch Big Bang Theory in all the cities together?
 (a) 6320 (b) 6380 (c) 6340
 (d) 6350 (e) 6360
- 68.** The ratio of the total number of males to the total number of females in City P is 5 : 3. What per cent of the female population watches Breaking Bad in City P?
 (a) $55\frac{1}{3}$ (b) $55\frac{2}{3}$ (c) $58\frac{1}{3}$
 (d) $53\frac{1}{3}$ (e) $53\frac{2}{3}$
- 69.** The total population (males and females) of City R watching Mentalist is what per cent more than the total population (male and female) of City T watching the same TV Series?
 (a) $8\frac{3}{7}$ (b) $8\frac{5}{7}$ (c) $8\frac{4}{7}$
 (d) $7\frac{3}{7}$ (e) $7\frac{4}{7}$
- 70.** What is the ratio of the number of females who watch Breaking Bad in City Q and City S together to the number of females who watch Mentalist in the same cities together?
 (a) 59 : 47 (b) 55 : 48 (c) 59 : 42
 (d) 55 : 43 (e) 59 : 45
- 71.** A man sells two chairs at Rs. 120 each and by doing so gains 25% on one chair and loses 25% on the other. His loss on the whole in Rs. is :
 (a) 20 (b) 16 (c) 25
 (d) 30 (e) None of these
- 72.** A manufacturer sells an article to a wholesale dealer at a profit of 10%. The wholesale dealer sells it to a shopkeeper at 20% profit. The shopkeeper sells it to a customer for Rs. 56,100 at a loss of 15%. Then the cost price of the article to the manufacturer is :
 (a) Rs. 25,000 (b) Rs. 10,000 (c) Rs. 50,000
 (d) Rs. 55,000 (e) None of these
- 73.** Out of Rs. 50,000, that a man has, he lends Rs. 8000 at $5\frac{1}{2}$ % per annum simple interest and Rs. 24,000 at 6% per annum simple interest. He lends the remaining money at a certain rate of interest so that he gets total annual interest of Rs. 3680. The rate of interest per annum, at which the remaining money is lent, is:
 (a) 5% (b) 7% (c) 10%
 (d) 12% (e) None of these
- 74.** On a certain principal the compound interest compounded annually for the second year at 10% per annum is Rs. 132. The principal is :
 (a) Rs. 1250 (b) Rs. 1200 (c) Rs. 1000
 (d) Rs. 1320 (e) None of these
- 75.** A jar contained a mixture of two liquids A and B in the ratio 4 : 1. When 10 litres of the mixture was taken out and 10 litres of liquid B was poured into the jar. This ratio became 2 : 3. The quantity of liquid A contained in the jar initially was :
 (a) 4 litres (b) 8 litres (c) 16 litres
 (d) 40 litres (e) None of these
- 76.** Two types of alloy possess gold and silver in the ratio of 7 : 22 and 21 : 37. In what ratio should these alloys be mixed so as to have a new alloy in which gold and silver would exist in the ratio 25 : 62?
 (a) 13 : 8 (b) 8 : 13 (c) 13 : 12
 (d) 6 : 9 (e) None of these
- 77.** A sum of Rs. 76 is divided among A, B and C in such a way that A gets Rs. 7 more than what B gets and B gets Rs. 6 more than what C gets. The ratio of their share is :
 (a) 19 : 24 : 33 (b) 32 : 25 : 19 (c) 32 : 24 : 20
 (d) 19 : 25 : 33 (e) None of these
- 78.** 'x' number of men can finish a piece of work in 30 days. If there were 6 men more, the work could be finished in 10 days less. The original number of men is:
 (a) 6 (b) 10 (c) 12
 (d) 15 (e) None of these
- 79.** 40 men can complete a piece of work in 40 days. They started the work together. But at the end of each 10th day, 5 men left the job. The work would be completed in :
 (a) $56\frac{2}{3}$ days (b) $53\frac{1}{3}$ days (c) 52 days
 (d) 50 days (e) None of these
- 80.** A tank has a leak which would empty the completely filled tank in 10 hours. If the tank is full of water and a tap is opened which admits 4 litres of water per minute in the tank, the leak takes 15 hours to empty the tank. How many litres of water does the tank hold?
 (a) 2400 l (b) 4500 l (c) 1200 l
 (d) 7200 l (e) None of these
- 81.** A boy rides his bicycle 10 km at an average speed of 12km/ hr and again travels 12 km at an average speed of 10 km/hr. His average speed for the entire trip is approximately:
 (a) 10.4 km/hr (b) 10.8 km/hr (c) 11.0 km/hr
 (d) 12.2 km/hr (e) 11.8 km/hr

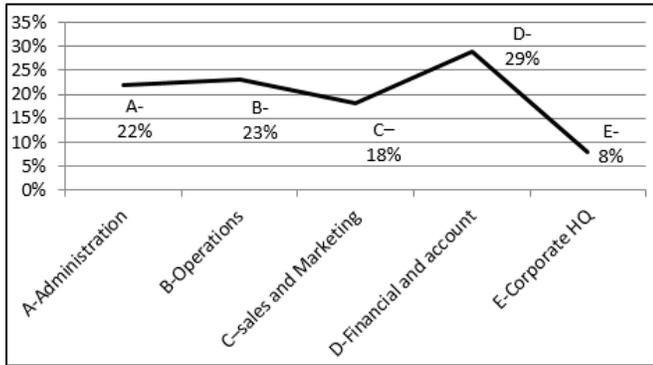
82. A boat takes half time in moving a certain distance downstream than upstream. The ratio of the speed of the boat in still water and that of the current is :
- (a) 2 : 1 (b) 4 : 3 (c) 1 : 2
 (d) 3 : 1 (e) None of these
83. After replacing an old member by a new member, it was found that the average age of five members of a club is the same as it was 3 years ago. The difference between the ages of the replaced and the new members is :
- (a) 2 years (b) 4 years (c) 8 years
 (d) 15 years (e) None of these
84. X, Y and Z enter into partnership. X invests $\frac{1}{4}$ part of total capital for one-fourth of the time. Y contributes one fifth of the capital for half of the time. Z contributes the remaining capital for the whole time. How should they divided a profit of Rs. 1140?
- (a) Rs. 100, Rs. 160, Rs. 880 (b) Rs. 120, Rs. 140, Rs. 880
 (c) Rs. 120, Rs. 150, Rs. 840 (d) Rs. 140, Rs. 170, Rs. 830
 (e) None of these
85. Three circles of radii 4 cm, 6 cm and 8 cm touch each other pair wise externally. Find the area of the triangle formed by the line-segments joining- the centres of the three circle ?
- (a) $144\sqrt{13}$ sq. cm (b) $12\sqrt{105}$ sq. cm
 (c) $6\sqrt{6}$ sq. cm (d) $24\sqrt{6}$ sq. cm
 (e) None of these

Directions (86-90) : Read the following pie-chart and graph carefully and answer the questions given below.

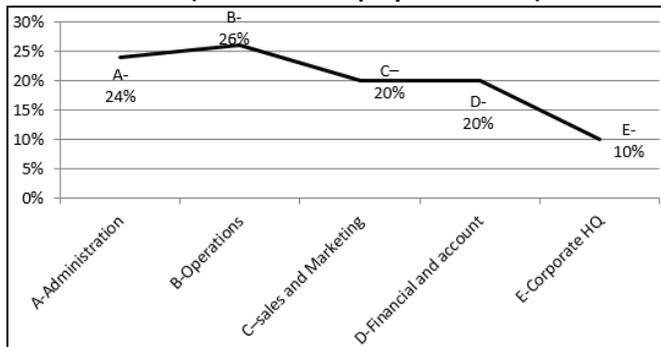


86. If total number of passed students from all the states in 2009 was 750, what is the number of non-freshers students from Bihar?
- (a) 228 (b) 204 (c) 288
 (d) 200 (e) None of these
87. If number of total freshers from West Bengal in 2009 was 280, what is the number of passed non- freshers students from other states?
- (a) 2646 (b) 2644 (c) 2450
 (d) 2464 (e) None of these
88. If number of non-freshers from Uttar Pradesh in 2009 was 120, what is the total number of passed students from all the states together?
- (a) 800 (b) 1000 (c) 600
 (d) 900 (e) None of these
89. If number of students in Bihar and other state in 2010 is increased by 20% and 30% respectively and number of passed students from Orissa in 2009 was 77, what was the approximate number of total passed students from Bihar and other states in 2010?
- (a) 540 (b) 555 (c) 560
 (d) 570 (e) 546
90. If total number of passed students from Uttar Pradesh in 2009 was 112, what is the respective ratio between the number of freshers student's from Bihar and number of non-freshers students from Orissa?
- (a) 760 : 187 (b) 187 : 760 (c) 40 : 11
 (d) 11 : 40 (e) None of these

Direction (91-95): The following charts give the percentage distribution of employees in different departments in XYZ company Ltd. During the year 2005 and 2006. Answer the questions using this data.



2005 (Number of employees = 18000)



2006 (Number of employees = 20000)

91. In which department is the variation in strength the maximum between the two years?
 (a) A (b) B (c) D
 (d) E (e) None of these
92. If 300 employees left operations at the end of 2005, how many employees joined it in 2006?
 (a) 480 (b) 960 (c) 1360
 (d) 970 (e) None of these
93. What is the percentage increase in number of employees in sales and marketing (round off to two decimal places)?
 (a) 2% (b) 2.34% (c) 23.46%
 (d) 18.94% (e) None of these
94. If the average monthly salary of employees in administration was Rs. 12000 in 2005, what was approximately salary expense of administrations in 2005?

- (a) Rs. 57 lakh (b) Rs. 47.5 lakh (c) Rs. 66 crore
 (d) Rs. 66 lakh (e) None of these
95. No. of employees in 2005 from operations and corporate HQ employees was what percentage of the employees in 2006 from sale and marketing and Finance and accounts dept. together?
 (a) 59.26 (b) 59.36 (c) 58.26
 (d) 58.36 (e) None of these
96. In an examination, Arun scored 35 marks less than Rahul. Rahul scored 55 more marks than Monika. Rohit scored 85 marks, which is 10 marks more than Monika's. Raju scored 61 marks less than the maximum marks of the test. What approximate percentage of marks did Raju score in the examination, if he got 44 marks more than Arun?
 (a) 80% (b) 75% (c) 69.5%
 (d) 62% (e) None of these
97. A man bought a number of oranges at 3 for Rs. 1 and an equal number at 2 for Rs. 1. At what price per dozen should he sell them to make a profit of 20%.
 (a) Rs. 4 (b) Rs. 5 (c) Rs. 6
 (d) Rs. 7 (e) None of these
98. The average speed of a train is $1\frac{3}{7}$ the average speed of a car. The car covers a distance of 588 km in 6 hours. How much distance will the train cover in 13 hours?
 (a) 1750km (b) 1760km (c) 1720km
 (d) 1850km (e) None of these
99. A vessel contains 60 litre of milk 12 litres of milk taken out from it and replaced by water. Then again from mixture, 12 litres are again taken out and replaced by water. The ratio of milk and water in the resultant mixture is :
 (a) 16 : 9 (b) 15 : 10 (c) 16 : 10
 (d) 9 : 5 (e) None of these
100. Prakash, Sunil and Anil started a business jointly investing Rs.11 lakh, Rs. 16.5 lakh and Rs. 8.25 lakh respectively. The profit earned by them in the business at the end of 3 yr was Rs. 19.5 lakh. What will be the 50% of Anil's share in the profit?
 (a) Rs. 4.5 lakh (b) Rs. 2.25 lakh (c) Rs. 2.5 lakh
 (d) Rs. 3.75 lakh (e) None of these

English Language

Directions (101-110): Read the following passage carefully and answer the questions. Certain words/ phrases are given in bold to help you locate them while answering some of the questions.
 If we take a look at the history of food safety regulations in India, barring the past five years, the establishment and relevant infrastructure were more focused on prevention and detection of adulteration. As a result, the industry and testing infrastructure were well equipped to prevent adulteration. Testing facilities are now gradually upgrading to help food

regulators implement and food producers comply with the Food Safety and Standards Act.
 Like any new regulation, the implementation of this Act too is currently in its initial stages. Sovereign regulations have always been fine tuned on the basis of learning over a period of time across the world. The size and dynamic nature of the food market in India has further **impeded** the implementation of new regulations. Markets that have evolved in terms of regulating food safety, have done so through seamless collaboration between industry and regulators.

Food safety incidents that occur across the world are unconnected to the state of development of a nation, be it the salmonella outbreak in peanuts reported in the US in 2009, or the e-coli outbreak in sprout beans reported in Germany in 2011. The outbreaks are due either to issues in the supply chain — such as poor agricultural practices or processing — or due to food frauds.

The unintentional safety issues arising from the overuse of pesticides and antibiotics can be controlled by providing training and knowledge to farmers; however, the major concern is money-driven adulteration or food fraud, for example, the gutter-oil scandal in Taiwan in 2014. We also still remember the 2008 incident when China was struck by the ‘melamine in milk’ scandal that led authorities across the world to develop policies that would ensure that similar instances do not reoccur. Today, global markets are driving some of the most evolved food regulations. They have been effectively implemented in markets where the government has **empanelled** international third party organisations to carry out inspections on their behalf. Corrective measures for food safety issues can be two-pronged — ensuring that the current damage is minimised and securing the future. Regulations can help secure the future. The implementation of food safety regulations is driven by improvisation, and examples from developed and developing markets stand testimony to this claim.

The existing damage can be minimised through product recalls. In India, recalls are limited to the automotive sector where traceability is highly evolved. To replicate a similar recall structure for food products, a key factor is for raw materials to be **traceable**. Traceability decentralises responsibility for the safety of a food product from the manufacturer to every participant of the value chain, from the one who farms the raw material to the one who packs the final product.

The nature of the Indian market, however, is highly complex, and although materials are sourced locally, driving traceability through the value chain is a long-drawn process. An effective way to improve traceability is to spread the infrastructure network of inspection deep into complex geographies. At some locations the government already has laboratories; the government can mandate private players to test and inspect in the remaining areas.

Every new regulation or Act goes through the journey of acceptability and adoption. Food safety regulations in India are currently in this process. This can be attributed to rising awareness among stakeholders, including consumers.

Both, food manufacturers as well as regulators have come together on many occasions to ensure the safety of the consumer. In India, the Food Safety and Standards Authority of India (FSSAI) got external agencies to carry out inspections on its behalf for the first time in 2012. This enabled the FSSAI cover more ground and, in the process, led to faster adoption of new-age testing techniques owing to the global footprint of these laboratories. Such initiatives help improve the broader food safety landscape and ensure that turnaround time for such instances to be detected are shorter. Traceability along with the right mix of lab infrastructure can help the nation react more efficiently to the issues of food safety.

The process of upgradation of laboratories has been steady; in any case, it should not be done in a hurry. A measured approach to expansion of the food testing lab network will ensure that the existing labs do not go unmanned and **deteriorate** due to under-utilisation. The system is proactive, and these efforts can be further accelerated if key stakeholders

across the value chain partner each other the objective of improving the landscape.

Issues on the safety of food will continue cropping up for a considerable period of time. They will cover a mix of policy intervention, development of infrastructure, public-private partnerships, adequate skill development, learning from experience and an intent to improve the state of food safety.

The transfer of information across the globe has led to awareness among consumers, food businesses, as well as regulators. However, at some point, we all need to take a step back and realise that while gathering information is easier and less **tedious** than implementing it, the task at hand is humungous and can only be achieved through collaborative accountability. Maybe, a decade from now we will be at a much more evolved state of food safety, but it is for the industry and the regulators to relentlessly work towards making our food safe. With consumers increasingly becoming more aware and activism lying at the brink of any issue of human interest, it is now more critical than ever for policy to be stronger. **(Source- The Hindu, June 17, 2016)**

101. According to the author, what issues will continue cropping up on the safety of food?
- An intent to improve the state of food safety and policy intervention
 - Training and knowledge to farmers
 - Public-private partnerships
- (a) Only ii (b) Both i and iii (c) Only iii
(d) Only I (e) All i, ii, iii
102. As per the passage, what is main focus of food safety regulations in India?
- Development of Infrastructure
 - Learning from experience
 - Adequate skill development
 - Prevention and detection of adulteration
 - None of the above
103. As per the passage, what is the role of ‘traceability of raw materials’ in food safety?
- It spreads the infrastructure network of inspection deep into complex geographies.
 - It upgrades the testing facilities to help food regulators implement and food producers comply with the Food Safety and Standards Act.
 - It decentralises responsibility for the safety of a food product from the manufacturer to every participant of the value chain.
 - It ensures that the current damage is minimized and secures the future.
 - None of the above
104. What is most suitable title of the passage?
- Together, we can ensure that food’s safe.
 - Food safety management system.
 - Food safety and standards.
 - Issues on food safety.
 - None of these.
105. How does Food Safety and Standards Authority of India (FSSAI) ensures safety to consumers?
- FSSAI got external agencies to carry out inspections on its behalf which led faster adoption of new-age testing techniques.
 - FSSAI ensures that the current damage is minimized and thus secures the future of consumers.

(c) FSSAI spreads the infrastructure network of inspection deep into complex geographies.

(d) FASSAI establishment and infrastructure were more focused on prevention and detection of adulteration.

(e) None of the above.

Directions (106-108): 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.

106. **Impeded**

- (a) Frustrated (b) Irritated (c) Hindered
(d) Circulated (e) Separated

107. **Deteriorate**

- (a) Improve (b) Elevate (c) Construct
(d) Laud (e) Degrade

108. **Empanelled**

- (a) Enlisted (b) Challenged (c) Impartial
(d) Elected (e) Rejuvenated

Directions (109-110): 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.

109. **Tedious**

- (a) Tiresome (b) Monotonous (c) Mundane
(d) Draggy (e) Facile

110. **Traceable**

- (a) Trackable (b) Verifiable (c) Accountable
(d) Detectable (e) Unattributable

Directions (111-120): Read the following passage carefully and answer the questions. Certain words/ phrases are given in bold to help you locate them while answering some of the questions.

A striking sentence in Umberto Eco's novel Foucault's Pendulum reads: "I believe that what we become depends on what our fathers teach us at odd moments, when they aren't trying to teach us. We are formed by little scraps of wisdom." These words came alive in a manner that I did not imagine when we interacted with a group of readers of this newspaper in Hyderabad last Saturday for the third Open House. The level of engagement with the readers and the responses from them define the functioning of a Readers' Editor. The RE's ability, insights, and efficacy are formed by the little scraps of wisdom the readers impart at moments, when they aren't trying to teach but instead share their knowledge, perceptions, and judgements. I realised that millions of readers share my workload, and **scrutinise** each and every word printed in this newspaper.

The interactive session was more than mutual learning. It helped bring to the fore some important omissions that take place in a deadline-driven process where journalists, after flagging off a story, tend to move on to another without providing a proper closure to the earlier one. For instance, K. Suresh, president of Osmania Medical College Doctors' Forum, drew our attention to the reportage about the resurfacing of polio cases in India and the global concerns it generated. He felt that the many bits and pieces of information failed to give a complete picture about this important development. This was a valid point. But had Dr. Suresh waited a day, he would have noticed a detailed analysis in the weekend 'Being' page titled, "All eyes on Telangana's rapid response", which looked at this specific issue. The story based on interviews with Dr. Pradeep Haldar, Deputy Commissioner — Immunisation, Ministry of Health and Family Welfare, and Dr. G Srinivasa Rao, Chief Programme Officer, National Health Mission,

Telangana gave a picture of the responses of various health authorities in addressing this issue. The good news is that the Editor and his team have started a new weekly section called 'Ground Zero' to provide detailed insights into critical developing stories.

In the course of the three-hour interaction, an issue that **emanated** clearly was the gap between the people's aspirations and the speed in which institutional arrangements move in India. The Hindu was the first national newspaper to create a separate Telangana edition when Andhra Pradesh was bifurcated. The readers' desire of the newly created State to have more exclusive stories about their own State — its culture, cuisine (Hyderabad is not just biryani), and problems — was understandable. Though the political division of the State took place a couple of years ago, Hyderabad continues to host the legislative assemblies of both the States. This forces the editorial staff based in Hyderabad to cover both Andhra Pradesh and Telangana in equal measure. This is a transitional period, and the reportage reflects this. The incremental transition towards Telangana-specific coverage in the State pages also had its share of criticism. Another reader, Sunita Reddy, found the Telangana edition wanting in its coverage of Andhra Pradesh news. I am sure the editions in Telangana and Andhra Pradesh will arrive at an optimal level of mutual coverage in a year.

One of the readers felt that the business page was not doing justice to the economic activities of the State. He felt that the present one and a half pages of business is national in its focus and does not provide adequate attention to the particular developments within the State. He cited the example of Apple CEO Tim Cook's investment plan for the city. The Editor agreed with the reader. He said local business news would be covered extensively and accommodated in the State and city pages.

S. Sivaranjani, an application engineer from Oracle India, dwelt on the newspaper's digital platform and its social media initiatives. She firmly believed that while its Twitter handle was user-friendly, the architecture of its Facebook alerts needs a certain amount of **tweaking** to make readers aware of the content at first glance. She wanted the newspaper to have an e-letter curating the important stories for its registered readers.

Bizeth Banerjee, while praising the newspaper's exposé about the reality behind the Kairana "**exodus**", wished to see more of such high-quality investigative journalism. "When there are all sorts of claims, it is critical reports from credible newspapers like The Hindu that help us to know the truth," she said. Seshagiri Rao Karri, an avid crossword solver of The Hindu for years, felt that the puzzle had become unnecessarily tough over the last few years, and with a wry sense of humour declared that now he flunks in the crossword test regularly.

It was heartening to note that the readers were concerned about the **affluence** of the media industry and its impact on the quality of journalism. There was a lively discussion about the price of the e-paper, limited paywall experiments, paying for quality content, the cost of journalism, and the need to move towards a content-generated revenue model from the present advertisement-driven revenue model. There were diverse opinions. But there was also a consensus that it is everybody's business to ensure a sustainable model for credible journalism. **(Source- The Hindu, June 20, 2016)**

111. What is the author's motive behind writing the passage?

- (a) There's a need to move towards a content-generated revenue model from the present advertisement-driven revenue model.

- (b) It is everybody's business to ensure a sustainable model for credible journalism.
 (c) What we become depends on what our fathers teach us at odd moments, when they aren't trying to teach us.
 (d) The local business news should be covered extensively and accommodated in the State and city pages.
 (e) None of the above.

112. As per the passage, why does author say 'interactive session' was more than mutual learning?

- i. It provides detailed insights into critical developing stories.
 - ii. It provides an introduction to the framework of the session and act as moderators, while the participants are encouraged to drive the session discussion.
 - iii. It helped bring to the fore some important omissions that take place in a deadline-driven process where journalists tend to move on to another without providing a proper closure to the earlier one.
- (a) Both (i) and (ii) (b) Only (ii) (c) Both (ii) and (iii)
 (d) Only (iii) (e) None of the above

113. Which of the following is possibly the most appropriate title for the passage ?

- (a) When readers speak (b) Editors choice
 (c) Media and public opinion (d) Newspaper editorial policy (e) None of the above

114. Which of the following statement is true on the basis of the given passage?

- i. Editor and his team have started a new weekly section called 'Ground Zero' to provide detailed insights into critical developing stories.
 - ii. The Hindu was the first national newspaper to create a separate Telangana edition when Andhra Pradesh was bifurcated.
 - iii. The level of engagement with the readers and the responses from them define the functioning of a Readers' Editor.
- (a) Only i is true. (b) Both i and ii are true.
 (c) Both ii and iii are true.
 (d) All i, ii and iii are true. (e) None of these.

115. According to the given passage, what does 'transitional period' imply?

- i. Bifurcation of the state Andhra Pradesh into Telangana and the residuary Andhra Pradesh state.
 - ii. The coverage of both Andhra Pradesh and Telangana in equal measure by the Hyderabad based editorial staff.
 - iii. The incremental transition towards Telangana-specific coverage in the State Pages.
- (a) Both i and ii (b) Only ii (c) Both i and iii
 (d) All i, ii and iii (e) None of the above.

Directions (116-118): Choose the word/group of words. Which is **most nearly the same** in meaning to the word/group of words printed in **bold** as used in the passage.

116. Scrutinise

- (a) Explore (b) Dissect (c) Overlook
 (d) Command (e) Dominate

117. Exodus

- (a) Traverse (b) Arrival (c) Glance
 (d) Evacuation (e) Awareness

118. Tweaking

- (a) Bouncing (b) criticizing (c) Improving
 (d) Assessing (e) Weakening

Directions (119-120): Choose the word/group of words. Which is **most nearly the same** in meaning to the word/group of words printed in **bold** as used in the passage.

119. Affluence

- (a) Fortune (b) Treasure (c) Undermine
 (d) Poverty (e) Network

120. Emanated

- (a) Exuded (b) Proceeded (c) Initiated
 (d) Discharged (e) Withdraw

Directions (121-125): Rearrange the following eight sentences (A), (B), (C), (D), (E), (F), (G) and (H) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- A. It feels like an excuse to bring the X-Men, who as we saw in the last movie blend into society, back into action.
- B. Its central antagonist — the ancient mutant who rises from the pyramids — is an archetypal villain that has no organic connection with the first two movies.
- C. As bodies are buried under what seems like a catastrophe, we are left confused about what exactly happened.
- D. The film's opening is telling. It begins in 3000 BC Egypt. We see a supernatural force shaking up a pyramid.
- E. It unsettles the steady rhythm of Professor Xaviers' school brimming with the youthful energy of new students.
- F. A dazzling time travel through the birth of Christ and other political and cultural signposts bring us to the 1980s.
- G. The problem with Apocalypse is that it doesn't feel as much a natural progression from its predecessors as a third part of a blockbuster franchisee.
- H. When the ancient mutant (En Sabah Nur/Apocalypse played by an unrecognizable Oscar Isaac) wakes up thousands of years later sending vibrations across the earth, it changes the lives of X-Men, who are living in peace.

121. Which of the following should be the **FOURTH** sentence after the rearrangement?

- (a) A (b) B (c) E (d) F (e) D

122. Which of the following should be the **SECOND** sentence after the rearrangement?

- (a) C (b) B (c) F (d) D (e) A

123. Which of the following should be the **FIFTH** sentence after the rearrangement?

- (a) E (b) G (c) B (d) C (e) H

124. Which of the following should be the **SEVENTH** sentence after the rearrangement?

- (a) D (b) G (c) B (d) C (e) H

125. Which of the following should be the **LAST (EIGHTH)** sentence after the rearrangement?

- (a) E (b) G (c) B (d) H (e) A

Directions (126-130): 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.)

126. The auditions for India's first ever (a)/ reality based pop band hunt, is (b)/ going on in full swing, (c)/ with numerous entries coming in. (d)/ No error (e)

127. To curbing the spread of violence, (a)/ authorities brought under curfew (b)/ more areas in the State, where (c)/ three youths were killed. (d)/ No error (e)

- 128.** Demand for diesel cars, which has (a)/ been on the rise for the last few years, (b)/ may dip as the government is increasing the price (c)/ of the fuel, bringing it closer to that of petrol. (d)/ No error (e)
- 129.** Not only was the actress over the Moon (a)/ as winning an award, but was (b)/ also deeply touched by the support (c)/ she got from the industry. (d)/ No error (e)
- 130.** The protestors went on a rampaging (a)/ and set ablaze three shops (b)/ resulting in injuries to 30 people (c)/ including women and children. (d)/ No error (e)

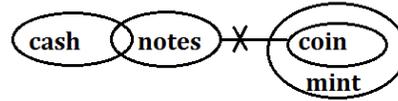
Directions (131-140): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

It (131)_____ take a vampire only 6.4 minutes to suck out 15 per cent of the blood from the external artery in an average human's neck, a new study has found. Throughout human history there have been tales of vampires — bloodsucking creatures of folklore that prey on their victims by draining their life essence, usually via the blood. To coincide with the 85th anniversary of Universal Pictures' 'Dracula' starring Bela Lugosi, students from the University of Leicester's Department of Physics and Astronomy used fluid dynamics to examine how long it would take for the undead fiend to drain an average human's blood. They have calculated that it would take only 6.4 minutes to drain 15 per cent of the blood from the external carotid artery in a human's neck. (132)_____ 15 per cent was used as the benchmark as any more blood loss causes the heart rate to change, while less can be taken without affecting the circulatory system of a human. The aorta, the main artery of the body, splits into five other arteries. For the purpose of the study the team was concerned with the velocity of blood flowing (133)_____ only the common carotid artery. They also (134)_____ that the five arteries are of (135)_____ thickness, enabling them to calculate the velocity of blood flowing into the common carotid artery. By examining the average human blood pressure in arteries (136)_____ relative to the air pressure, this gave the students the pressure difference. They then worked out average density of blood at room temperature and were able to deduce how much blood would come out of a puncture (137)_____ a human's neck (with vampire fangs assumed to leave puncture holes with a width of 0.5mm each). (138)_____ the human body has an average of 5 litres of blood and that a vampire might feasibly take 15 per cent, in the study (139)_____ vampire would drain 0.75 litres of blood and by (140)_____ calculations it would take 6.4 minutes to do so.

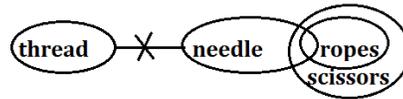
- 131.** (a) will (b) would (c) should (d) could (e) shall
- 132.** (a) Around (b) at least (c) about (d) at most (e) at least
- 133.** (a) in (b) under (c) over (d) into (e) on
- 134.** (a) argued (b) concluded (c) stated (d) deduced (e) assumed
- 135.** (a) equated (b) even (c) congruent (d) same (e) difference
- 136.** (a) measured (b) measurement (c) measuring (d) measures (e) measure
- 137.** (a) in (b) onto (c) over (d) into (e) under
- 138.** (a) consider (b) considers (c) considering

- (d) considered (e) since
- 139.** (a) a (b) the (c) few (d) some (e) all
- 140.** (a) his (b) their (c) her (d) the (e) our

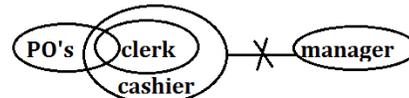
SOLUTIONS:
Direction (1-5)
(1-2)



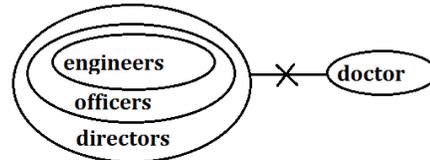
1. (b)
 2. (c)
 3. (c)



4. (c)



5. (a)



Direction (6-10)

Input: 24 whirlpool 55 kelvinator 81 godrej hitachi 200 Electrolux 43 blue star 315 sharp.

Step I: 315 24 whirlpool 55 kelvinator 81 godrej hitachi 200 Electrolux 43 bluestar sharp.

Step II: 315 81 24 whirlpool 55 kelvinator godrej hiachi 200 Electrolux 43 bluestar sharp

Step III: 315 81 200 24 whirlpool 55 kelvinator godrej hitachi Electrolux 43 bluestar sharp.

Step IV: 315 81 200 43 24 whirlpool 55 kelvinator godrej hitachi Electrolux bluestar sharp.

Step V: 315 81 200 43 55 24 whirlpool kelvinator godrej hitachi Electrolux bluestar sharp

Step VI: 315 81 200 43 55 24 kelvinator whirlpool godrej hitachi Electrolux bluestar sharp

Step VII: 315 81 200 43 55 24 kelvinator Electrolux whirlpool godrej hitachi bluestar sharp.

Step VIII: 315 81 200 43 55 24 kelvinator Electrolux bluestar whirlpool godrej hitachi sharp

Step IX: 315 81 200 43 55 24 kelvinator Electrolux bluestar hitachi whirlpool godrej sharp.

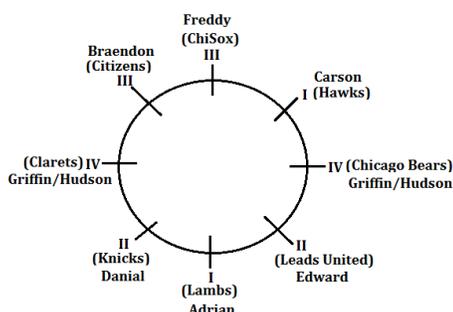
6. (b)
 7. (d)
 8. (c)
 9. (a)
 10. (b)

Direction (11-15)

Position No.	Performance of Persons in descending order	
	100 m	200 m
1.	Michael Jordan	Tiger Woods
2.	Peyton Manning	Peyton Manning
3.	David Beckham	LeBron James
4.	Kobe Bryant	Kobe Bryant
5.	LeBron James	Chad Johnson
6.	Tiger Woods	Michael Jordan / David Beckham
7.	Chad Johnson	David Beckham / Michael Jordan

- 11. (a)
- 12. (d)
- 13. (c)
- 14. (c)
- 15. (d)

Direction (16-20)



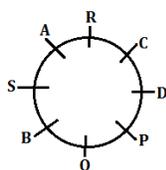
- 16. (b)
- 17. (d)
- 18. (c)
- 19. (b)
- 20. (d)

Direction (21-23)

- 21. (c) This statements clearly shows the conclusion of the passage that PM can't be out of the purview of the Lokpal.
- 22. (a) This statements shows the hidden assumption being taken in this passage.
- 23. (a) this statement gives the inference which comes from this passage
- 24. (b) Measures to control inflation hurt investment clearly oppose the passage. So it weakens the above discussion.
- 25. (b)

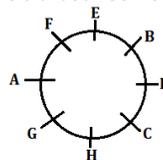
Direction (26-30)

- 26. (c) By using II and III statement we can see that all person are arranged in a circular table, so we can see ,who sit between 'B' and 'R'



- 27. (a) By using I and II statement we can find the code of run. RUN-'pud'
- 28. (e)

- 29. (c) By using II and III statement, we can see that there are three people sit between C and F.

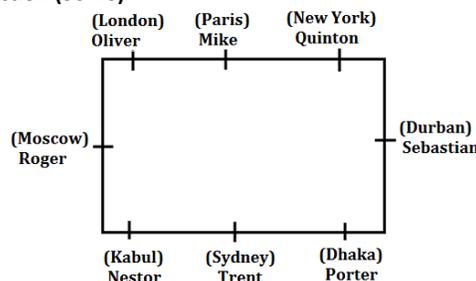


- 30. (c) By using II and III statement, we can see that, D earns the highest salary.
 $D > C > E > B$
 $D > A$ and F

Direction (31-35)

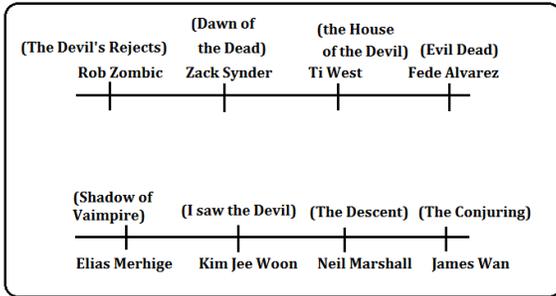
- 31. (e) Young people, who do not get employment due to the large number of applicants in all fields, must surely be given allowance so that they can support themselves. So, argument I is strong. However, such allowances would make them idle. So, argument II is also strong.
- 32. (b) A doctor treating a patient individually can mislead the patient into wrong and unnecessary treatment for his personal gain. So, argument II holds strong. Also, a policy beneficial to common people cannot be termed 'undemocratic'. So, I is not strong.
- 33. (a) An equitable distribution of foreign investment is a must for uniform development all over the country. So, argument I hold. Also, no backward state ought to be neglected rather such states should be prepared and shaped up to attract foreign investment as well. So, II does not hold strong.
- 34. (a) Clearly, peaceful settlement through mutual agreement is the best option, whatever be the issue. So, argument I holds strong. Moreover, the problem indicated in II can be curbed by constant check and vigilance. So, II and one is not strong.
- 35. (e) Merit, fair selection and equal opportunities for all – these three factors, if taken care of, can help government recruit competent officials and also fulfill the objectives of the Constitution. Thus, both the arguments hold strong.

Direction (36-40)



- 36. (d)
- 37. (b)
- 38. (a)
- 39. (a)
- 40. (d)

Direction (41-45)



- 41. (e)
- 42. (d)
- 43. (e)
- 44. (d)
- 45. (d)

Direction (46-50)

FLOOR	PERSON	SUBJECTS
7	P	Band of Brothers
6	K	The pacific
5	J	Game of Thrones
4	N	The Sopranos
3	M	Jane Eyre
2	O	Generation Kill
1	L	Black Mirror

- 46. (d)
- 47. (a)
- 48. (c)
- 49. (c)
- 50. (e)

51. (b); From I and II, 10 women in 1 day = $\frac{7}{24} - \frac{1}{6} = \frac{7-4}{24} = \frac{1}{8}$
 ∴ 10 women can finish the work in 8 days.

From II and III,
 Let 10 men can finish the work in x days and 10 women can finish the same work in y days.

Hence, $\frac{1}{x} + \frac{1}{y} = \frac{7}{24}$ (i)

And from III- II, $\frac{3}{x} + \frac{4}{y} = 1$ (ii)

$$\left\{ \frac{-\frac{1}{x} + \frac{1}{y} = \frac{7}{24}}{\frac{3}{x} + \frac{4}{y} = 1} \right\} \times 3$$

$$\frac{1}{y} = \frac{1}{8}$$

∴ y = 8 days

Again from I and III $\frac{3}{6} + \frac{4}{y} = 1 \Rightarrow y = 8$ days

52. (a); From I, Let present age of Sabir be x yr and age of his father be 2x yr.

From I and II, $\frac{x+5}{2x+5} = \frac{6}{11} \Rightarrow 12x + 30 = 11x + 55$

∴ x = 25 yr

Hence, from I and II, age of Sabir can be obtained.

53. (e); Let two digit number be 10x + y.

From I, either $x - y = \frac{27}{9} = 3 \Rightarrow y - x = \frac{27}{9} = 3$

From II, $x - y = 3 \Rightarrow y - x = 3$

From III, $x - y = 3$

Hence, Even by (I) + (II) + (III) we cannot obtain the number.

54. (e); From I, If P = 100

A = 200 and S.I. = 200 - 100 = 100

Rate = $\frac{SI \times 100}{P \times T} = \frac{100 \times 100}{100 \times 5} = 20\%$

From II and III, Rate = $\frac{400 \times 100}{2000 \times 1} = 20\%$

Hence, either I alone or II + III will be sufficient.

55. (e); From I and II,

Length = 3x = 48 m

∴ x = 16

Breadth = 2x = 32 m

Hence, Area of floor = 48 × 32

Cost of flooring = 48 × 32 × 850 = Rs. 1305600

From I and III, 2(l + b) = 160

⇒ 2(3x + 2x) = 160 ⇒ 10x = 160

∴ x = 16

∴ Length = 3 × 16 = 48 m

Breadth = 2 × 16 = 32 m

Cost of flooring = (48 × 32) × 850 = Rs. 1305600

Similarly, from II and III, we can find l = 48

and b = 32 m

and Total cost of flooring = Rs. 1305600

56. (b); series is $\times 1 - 1^2, \times 2 + 2^2, \times 3 - 3^2, \times 4 + 4^2, \dots$

57. (e); -135, -133, -131, -129, -127

∴ 4234 - 127 = 4107

58. (c); $\times 1.5 + 1, \times 2 + 2, \times 2.5 + 3, \times 3 + 4, \dots$

59. (d); $(\times 5 + 7), (\times 4 + 8), (\times 3 + 9), (\times 2 + 10)$

∴ 2404 × 1 + 11 = 2415

60. (e); 2 × 8 + 10 = 26

26 × 6 - 12 = 144

144 × 4 + 14 = 590

590 × 2 - 16 = 1164

1164 × 1 + 18 = 1182

Solutions directions(71-75)

From the question we will get this table-

	Denistry (720)		Homeopathy (880)	
	Boys (450)	Girls (270)	Boys (320)	Girls (560)
E	72	54	64	84
H	45	27	48	84
B	18	27	16	28
E + H	108	54	48	112
H + B	63	27	32	84
B + E	90	54	80	112
All	54	27	32	56

61. (d); Required Student = 72 + 45 + 54 + 27 = 198

62. (c); Required student = 54 + 27 + 32 + 56 = 169

63. (e); Required % = $\frac{415}{830} \times 100 = 50\%$

64. (d); Required % = $\frac{315+162}{720} \times 100$

= $\frac{477}{720} \times 100$

= 66 $\frac{1}{4}$ %

65. (e); Required % = $\frac{359}{830} \times 100 \approx 43\%$

66. (d) Req. Diff = $50000 \times \frac{(68-32)}{100} + 20,000 \times \frac{(64-36)}{100} + 50000 \times$

$\frac{(74-26)}{100}$

= 18000 + 5600 + 24000 = 47600

67. (a) Total males matching Big Bang Theory

$$= 40000 \times \frac{12}{100} + 20000 \times \frac{10}{100} + 50000 \times \frac{18}{100} + 30000 \times \frac{16}{100} + 50000 \times \frac{22}{100}$$

$$= 4800 + 2000 + 9000 + 4800 + 11000$$

$$= 31600$$

Average = 6320

68. (d) Males in city P = $\frac{5}{8} \times 40000 = 25000$

Females = $\frac{3}{8} \times 40000 = 15000$

Number of females watching Breaking Bad = $40000 \times \frac{20}{100} = 8000$

% of females watching Breaking Bad = $\frac{8000}{15000} \times 100 = 53\frac{1}{3}\%$

69. (c) Total number of people of city R watching mentalist

$$= 50000 \times \frac{16}{100} + 50000 \times \frac{22}{100}$$

$$= 8000 + 11000$$

$$= 19000$$

Total number of People of city T watching mentalist

$$= 50000 \times \frac{15}{100} + 50000 \times \frac{20}{100}$$

$$= 7500 + 10000$$

$$= 17500$$

Req. % = $\frac{19000-17500}{17500} \times 100 = 8\frac{4}{7}\%$

70. (b) Req. Ratio = $\left[20000 \times \frac{10}{100} + 30000 \times \frac{30}{100}\right] : \left[20000 \times \frac{30}{100} + 30000 \times \frac{12}{100}\right]$

$$= 2000 + 9000 : 6000 + 3600$$

$$= 11000 : 9600$$

$$= 110 : 96$$

$$= 55 : 48$$

71. (b); $SP_1 = 120$ $CP_1 = \frac{100}{125} \times 120 = 96$

$SP_2 = 120$ $CP_2 = \frac{100}{75} \times 120 = 160$

$SP_1 + SP_2 = 120 + 120 = 240$

$CP_1 + CP_2 = 96 + 160 = 256$

Loss = Rs. $(256 - 240) =$ Rs. 16

72. (c); Let C.P. be x

$$\frac{110}{100} \times \frac{120}{100} \times \frac{85x}{100} = 56100$$

$$x = \frac{56100 \times 100 \times 100 \times 100}{110 \times 120 \times 85}$$

$x =$ Rs. 50,000

73. (c); Remaining amount = Rs. $50,000 - (8000 + 24000)$

= Rs. 18000

Let rate of interest = $R\%$

A.T.Q.

$$\frac{8000}{100} \times \frac{11}{2} \times 1 + \frac{24000 \times 6}{100} + \frac{18000}{100} \times R = 3680$$

$180R = 1800$

$R = 10\%$

Hence Required rate = 10%

74. (b); Let Principal = Rs. 100

$R = 10\% = \frac{1}{10}$

2nd year C.I. on Rs. 100 = $100 \times \frac{10}{100} + 10 \times \frac{10}{100}$

= $10 + 1 = 11$ units

11 units = 132

1 units = 12

100 units = $12 \times 100 = 1200$

Principal = Rs. 1200

75. (c); A B
4 : 1
2 × 2 : 3 × 2
4 : 6

5 unit = 10 litres

But 10 litres were initially taken out

Initial mixture = $10 + 10 = 20$

Total quantity = 20 litres

Initially quantity of liquid A = $\frac{4}{5} \times 20 = 16$ litres

76. (a); Gold Silver
 $\frac{7}{29}$ $\frac{21}{58}$
 $\frac{25}{87}$

$$\frac{63-50}{174} = \frac{13}{174} \quad \frac{25-21}{87} = \frac{4}{87}$$

Req. ratio = $\frac{13}{174} : \frac{4}{87} = 13 : 8$

77. (b); A:B:C = $x+13 : x+6 : x$

$x = 19$

Required ratio = $32:25:19$

78. (c); Let original number of men = x

$x \times 30 = (x + 6)20$

$30x = 20x + 6 \times 20$

$10x = 20 \times 6$

$x = \frac{20 \times 6}{10} = 12$

79. (a); Total work = 40 men × 40 days = 1600 units

For first 10 days, 40 men work = $40 \times 10 = 400$

For Next 10 days 35 men work = $35 \times 10 = 350$

For Next 10 days 30 men work = $30 \times 10 = 300$

For Next 10 days 25 men work = $25 \times 10 = 250$

For Next 10 days 20 men work = $20 \times 10 = 200$
1500

Work left = $1600 - 1500 = 100$

15 men work for $\frac{100}{15} = 6\frac{10}{15} = 6\frac{2}{3}$ days

Total days = $50 + 6\frac{2}{3} = 56\frac{2}{3}$

80. (d); A → 10
30
A + B → 15 -2

Efficiency of filling pipe $(3 - 2) = 1$ unit/hour

1 unit = 4×60

1 unit = 240 litre

Total capacity = 30 units = $240 \times 30 = 7200$ litres

81. (b); Average speed = $\frac{\text{Total distance}}{\text{Total time}}$

$$= \frac{10+12}{\frac{10}{12} + \frac{12}{10}} = \frac{22 \times 12 \times 10}{100+144}$$

$$= \frac{2640}{244} = 10.8 \text{ km/h}$$

82. (d); Downstream speed = $x + y$

Upstream speed = $x - y$

Speed = $\frac{\text{Distance}}{\text{Time}}$

$x + y = \frac{D}{T}, x - y = \frac{D}{2T}$

On solving these question

$$x = \frac{3D}{4T}, y = \frac{D}{4T}$$

$$\frac{x}{y} = \frac{\frac{3D}{4T} \times \frac{4T}{D}}{\frac{4T}{D}} = \frac{3}{1} = 3 : 1$$

83. (d); Let present average = x year

Total age = $5x$ years

According to questions

$$5x - y + z = 5x - 15$$

$y \rightarrow$ Old member, $z \rightarrow$ New member

$$-y + z = -15$$

$$y - z = 15$$

84. (a); Let the total time = 8 years

Total capital = 20 units

	X	Y	Z
Capital	5	4	11
Time	2	4	8
Profit	10	16	88
	5	8	44

According to question

$$(5 + 8 + 44) \text{ units} = 1140$$

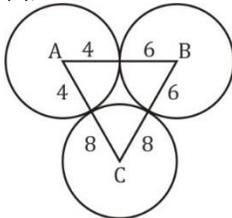
$$57 \text{ units} = 1140, 1 \text{ units} = \frac{1140}{57} = 20$$

$$\text{Profit of X} = 20 \times 5 = \text{Rs. } 100$$

$$\text{Profit of Y} = 20 \times 8 = \text{Rs. } 160$$

$$\text{Profit of Z} = 20 \times 44 = \text{Rs. } 880$$

85. (d); Side of ΔABC are 10, 12, 14



$$S = \frac{10+12+14}{2} = 18$$

$$\text{Area} = \sqrt{S(S-a)(S-b)(S-c)}$$

$$= \sqrt{18 \times 8 \times 4 \times 6} = 24\sqrt{6} \text{ cm}^2$$

86. (a); Required number of student = $750 \times \frac{38}{100} \times \frac{80}{100} = 228$

87. (d); $x \times \frac{10}{100} \times \frac{25}{100} = 280$

$$\therefore x = 11200$$

$$\text{Required Number} = 11200 \times \frac{25}{100} \times \frac{88}{100} = 2464.$$

88. (b); $x \times \frac{16}{100} \times \frac{75}{100} = 120$

$$\therefore x = 1000$$

89. (e); Passed students from Orissa in 2009 = 11% = 77

$$\Rightarrow \text{Total number of passed students} = 100\% = 700$$

$$\therefore \text{Required number} = 700 \times \frac{38}{100} \times \frac{120}{100} + 700 \times \frac{25}{100} \times \frac{130}{100} = 546$$

(approx.)

90. (e); Ratio = $532 : 6545 = 152 : 187$

91. (c); Variation in strength from 2005 to 2006 in

$$A \rightarrow \frac{24}{100} \times 20000 - \frac{22}{100} \times 18000 = 4800 - 3960 = 840$$

$$B \rightarrow 5200 - 4140 = 1060$$

$$C \rightarrow 4000 - 3240 = 760$$

$$D \rightarrow 4000 - 5220 = -1220$$

$$E \rightarrow 1440 - 2000 = -560$$

92. (c); No. of employees in operations dept. in 2005 = $\frac{23}{100} \times 18000 = 4140$

$$\therefore \text{Required No. of employees} = \frac{26}{100} \times 2000 - (4140 - 300)$$

$$= 5200 - 3840$$

$$= 1360$$

93. (c); Required % = $\frac{4000-3240}{3240} \times 100 = 23.46\%$

94. (e); No. of employees in administration in 2005 = 3960

$$\therefore \text{Required expenditure} = 3960 \times 12000 = 475.2 \text{ lakh}$$

95. (e); Required % = $\frac{4140+1440}{4000+4000} \times 100$

$$= \frac{5580}{8000} \times 100 = 69.75\%$$

96. (c); According to the question

$$\text{Rohit} = 85$$

$$\text{Monika} = 85 - 10 = 75$$

$$\text{Rahul} = 75 + 55 = 130$$

$$\text{Arun} = 130 - 35 = 95$$

$$\text{Raju} = 95 + 44 = 139$$

$$\text{Total mark} = 139 + 61 = 200$$

$$\text{Required percentage} = \frac{139}{200} \times 100 = 69.5\%$$

97. (c); Cost price of 12 oranges = $2(1) + 3(1) = 5$ Rs.

$$\therefore \text{Required selling price} = 120\% \text{ of } 5 = 6 \text{ Rs.}$$

98. (e) Speed of the car = $588/6 = 98 \text{ km/hr}$

$$\text{Speed of train} = (10/7) \times 98 = 140 \text{ km/hr}$$

$$\text{Distance covered by the train in 13 hours} = 140 \times 13 = 1820 \text{ km}$$

99. (a); Quantity of Milk after two operation = $60 \left(1 - \frac{12}{60}\right)^2$

$$= 60 \times \frac{4}{5} \times \frac{4}{5}$$

$$= \frac{48}{5} \times 4$$

$$= 9.6 \times 4$$

$$= 38.4$$

$$\text{Quantity of water} = (60 - 38.4) = 21.6$$

$$\text{Required Ratio} = 38.4 : 21.6 = 16 : 9$$

100. (b); Ratio of their earning = $11 : 16.5 : 8.25$

$$\text{Required amount} = \frac{50}{100} \times \frac{8.25}{35.75} \times 19.5 = 2.25 \text{ lakh}$$

101. (b); It is given in the second last paragraph of the passage that "Issues will cover a mix of policy intervention, development of infrastructure, public-private partnerships, adequate skill development, learning from experience and an intent to improve the state of food safety." Hence, (b) is correct option.

102. (d); The first paragraph of the passage says "the establishment and relevant infrastructure were more focused on prevention and detection of adulteration." Hence, (d) is the correct option.

103. (c); The passage says "Traceability decentralises responsibility for the safety of a food product from the manufacturer to every participant of the value chain, from the one who farms the raw material to the one who packs the final product." Hence, (c) is right answer.

104. (a); The passage says "we all need to take a step back and realise that while gathering information is easier and less tedious than implementing it, the task at hand is humungous and can only be achieved through collaborative accountability." Thus, it can be concluded that (a) is the correct answer.

105. (a); It is given in the paragraph that "Food Safety and Standards Authority of India (FSSAI) got external agencies to carry out inspections on its behalf for the first time in 2012. This enabled the FSSAI cover more ground and, in the process, led to faster

- adoption of new-age testing techniques owing to the global footprint of these laboratories." Thus, (a) is the correct option.
106. (c); **Impeded** means to delay or prevent (someone or something) by obstructing them. So, obstruct is the word which is similar in meaning to it.
107. (e); **Deteriorate** means become progressively worse. So, degrade is the word which is the word which is similar in meaning to it.
108. (a); **Empanelled** means enlist or enrol (a jury). So, enlisted is the word which is the word which is similar in meaning to it.
109. (e); **Tedious** means too long, slow, or dull; tiresome or monotonous. So, Facile is the word which is the word which is opposite in meaning to it.
110. (e); **Traceable** means it can be tracked or detected. So, Unattributable is the word which is opposite in meaning to it.
111. (b); The author's motive behind writing the passage can be inferred from the last paragraph of the passage where he says that there's a need to move towards a content-generated revenue model from the present advertisement-driven revenue model. However, he emphasized more on everybody's business to ensure a sustainable model for credible journalism. So, (b) is the correct answer. Also, (a) can't be the right answer. (c), (d) options are irrelevant answers to the question.
112. (d); It is given in the second paragraph that "It helped bring to the fore some important omissions that take place in a deadline-driven process where journalists, after flagging off a story, tend to move on to another without providing a proper closure to the earlier one." Clearly, (d) will be the right answer. (i) is wrong because it is 'Ground zero' that provides detailed insights into critical developing stories and (ii) is given to confuse the readers.
113. (a); The title of the passage can be concluded from the last passage of the paragraph where author has emphasized on reader's concerns and opinions about the fortunes of the media industry and its impact on the quality of journalism. Hence, (a) is the correct answer.
114. (d); After thorough reading of the passage it can be said that all the statements i.e. i, ii and iii are true.
115. (b); It is given in the given passage that Hyderabad being common legislative assembly of the both the states forces the editorial staff based in Hyderabad to cover both Andhra Pradesh and Telangana in equal measure. This is a transitional period, and the reportage reflects this. Hence, (b) is the correct answer.
116. (a); **Scrutinise** means examine or inspect closely and thoroughly. So, explore is the word which is similar in meaning to it.
117. (d); **Exodus** means a mass departure of people. So, Evacuation is the word which is similar in meaning to it.
118. (c); **Tweaking** means improve (a mechanism or system) by making fine adjustments to it. So, Improving is the word which is similar in meaning to it.
119. (d); **Affluence** means the state of having a great deal of money. So, Poverty is the word which is opposite in meaning to it.
120. (e); **Emanated** means (of a feeling, quality, or sensation) issue or spread out from (a source). So, Withdraw is the word which is opposite in meaning to it.
- For questions (121-125): The correct sequence to form a meaningful paragraph is **GBADCFHE**.
121. (e); D
122. (b); B
123. (d); C
124. (e); H
125. (a); E
126. (b) 'Reality based' is inappropriate to be used. So, 'reality' is the correct usage here. e.g. These days are the days of reality shows on TV.
127. (a) 'To + V1' is to be used for showing the purpose. So, 'curbing' should be replaced by 'curb'.
128. (e) No error
129. (b) 'As' should be replaced with 'on' to make the syntax correct.
130. (a) 'A' is used inappropriately because there is no need of article here. So, it is to be removed.
131. (b); **Look at the usage of the given options:**
Will: used to talk about what is going to happen in the future, especially things that you are certain about or things that are planned.
Would: used to refer to a situation that you can imagine happening.
Should: used to say or ask what is the correct or best thing to do.
Could: used to talk about what someone or something was able to do.
Shall: Used in place of will when 'I' or 'We' is the subject.
Hence, 'would' is the only option that goes with the meaning of the sentence.
132. (c); **about** is the correct answer.
133. (d); **Look at the meaning of the given options:**
In: inside a container, place, or area, or surrounded or closed off by something;
Under: in or to a position below or lower than something else, often so that one thing covers the other'.
Over: Above or higher than something else, so that one thing covers the other.
Into: To the inside or middle of something
Hence, 'into' is the only option that goes with the meaning of the sentence.
134. (e); Since the given passage is based on the assumption of the existence of vampire hence 'assumed' is the correct option.
135. (b); **even** which means 'equal in number, amount, or value' is the correct usage.
136. (a); Since the examining took place in past hence past participle should be used.
137. (a); 'In' is the correct usage.
Onto: moving to a location on the surface of.
138. (c); Here, 'ing' form of verb should be used. Since, when two actions are simultaneously performed 'ing' form of verb is used
139. (a); 'a' is the correct option
Since, 'the' is used before nouns to refer to particular things or people that have already been talked about. Hence 'the' cannot be used here. Remaining options are followed by plural noun. Hence 'a' is the correct answer.

140. (b); their: In the given sentence, subject is 'they' and not 'vampire', hence, 'their' is the correct option.

SBI CLERK PRELIMS MOCK Held on 22nd May (Memory Based)

REASONING

Directions (1-5): In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Given 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.

1. **Statement:** $C \geq D > E = M < J = L$
Conclusion : I. $L > E$ II. $C \geq J$
2. **Statement:** $P = N \leq Q > R > T = S$
Conclusion : I. $N \geq S$ II. $P \leq Q$
3. **Statement:** $\geq P = I \geq M < T \geq V > H$
Conclusion : I. $M \leq J$ II. $H \leq M$
4. **Statement:** $Q \leq X \leq E > F = D < O < K = G$
Conclusion : I. $D > Q$ II. $K \leq E$
5. **Conclusion :** I. $Q \leq E$ II. $G > F$

Directions (6-10): The following questions are based on the five three – digit numbers given below:

684 512 437 385 296

6. If 2 is added to the first digit of each of the numbers how many numbers thus formed will be divisible by three?
 (a) None (b) One (c) Two
 (d) Three (e) None of these
7. If all the digits in each of the numbers are arranged in descending order within the number, which of the following will be the highest number in the new arrangement of numbers ?
 (a) 684 (b) 385 (c) 296
 (d) 437 (e) None of these
8. What will be the resultant number if the second digit of the second lowest number is divided by the third digit of the highest number ?
 (a) 2 (b) 3 (c) 0
 (d) 1 (e) 4
9. If 1 is added to the first digit and 2 is added to the last digit of each of the numbers then which of the following numbers will be the second highest number?
 (a) 385 (b) 684 (c) 437
 (d) 296 (e) 512
10. If in each number the first and the second digits are interchanged then which will be the highest number?
 (a) 296 (b) 512 (c) 437
 (d) 684 (e) 385

Directions (11-15): Study the flowing information carefully to answer arrangement of symbols, digits and letters.

W % 9 3 G 6 H # 7 K \$ L 2 ★ B M J © 4 5 E 8 @ Z

11. If all the numbers are deleted from the above arrangement then which of the following will be seventh to the left of sixth from the right?

- (a) H (b) J (c) M
 (d) \$ (e) None of these
12. How many such numbers are there in the above arrangement each of which is immediately preceded by a symbol?
 (a) One (b) Two (c) Three
 (d) Four (e) None of these
13. '9W' is to 'GH#' and '\$7' is to '2BM' in the same way as '4J' is to _____ in the arrangement.
 (a) E@8 (b) 58® (c) B2L
 (d) 58Z (e) None of these
14. How many such symbols are there in the above arrangement each of which is immediately followed by a letter?
 (a) None (b) One (c) Two
 (d) Three (e) None of these
15. If all the symbols are deleted from the above arrangement then which of the following will be the fourth to the left of twelfth from the right?
 (a) 9 (b) 3 (c) W
 (d) M (e) None of these

Directions (16-20): Study the following information carefully to answer these questions.

Eight friends A, B, C, D, E, F, G and H are sitting around a circle facing the center. A sits third to the left of B, while second to the right of F. D does not sit next to A or B. C and G always sit next to each other. H never sits next to D and C does not sit next to B.

16. Which of the following pairs sits between H and E?
 (a) F, D (b) H, B (c) C, G
 (d) E, G (e) None of these
17. Starting from A's position, if all the eight were arranged in alphabetical order in clockwise direction the seating position of how many members (excluding A) not change?
 (a) None (b) one (c) Two
 (d) Three (e) None of these
18. Which of the following pairs has only one person sitting between them, if the counting is done in clockwise direction?
 (a) A, B (b) C, D (c) F, E
 (d) G, H (e) None of these
19. Who sits to the immediate right of E?
 (a) A (b) D (c) F
 (d) H (e) None of these
20. What is the position of B with respect to C?
 (a) Second to the left (b) Third to the right
 (c) Third to the left (d) Can't be determined
 (e) None of these
21. In a certain code language SERIES is written as QCGTGU. How is EXPERT written in that code language?
 (a) VTGRZG (b) RPCRZG (c) GZRCPR
 (d) RPCGZR (e) None of these

22. How many such pairs of letters are there in the word COMPOSE each of which has many letters between them in the word as they have between them in the English alphabetical series?
 (a) None (b) One (c) Two
 (d) Three (e) None of these

Directions (23-25): Study the following information carefully and answer the questions given below.

In a certain code 'all Aspirants must qualify' is written as 'na li ja pa', 'qualify in all subjects' in written as 'ta ja li ra' and 'Aspirants read all subjects' is written as 'sa li na ra'.

23. What does 'li' stand for?
 (a) subject (b) qualify (c) must
 (d) All (e) None of these
24. What will be the code for 'ja na' ?
 (a) Must qualify (b) Aspirants subjects
 (c) qualify subjects (d) Can't be determined
 (e) None of these
25. What will be the code for 'qualify' ?
 (a) li (b) sa (c) ja
 (d) pa (e) Can't be determined.

Directions (26- 27): Study the following information carefully to answer these questions.

A vehicle starts from point P and run 10 km towards North. It takes a right turn and runs 15 km. Now It runs 6 km after taking a left turn. Finally, It takes a left turn, runs 15 km and stops at point Q.

26. How far is point Q with respect to point P?
 (a) 16 km (b) 25 km (c) 4 km
 (d) 0 km (e) None of these
27. Towards which direction was the vehicle moving before it stopped at point Q?
 (a) North (b) East (c) South
 (d) West (e) North - West
28. The position of how many digits in the number 54327618 will remain unchanged if the digits within the number are written in ascending order from left to right?
 (a) None (b) One (c) Two

- (d) Three (e) None of these
29. In a row of 34 students, W is fifth after X from the front and X is 20th from the back. What is the position of W from the front?
 (a) 20 (b) 25 (c) 30
 (d) 22 (e) None of these
30. What will come in place of question mark (?) in the following series?
 TG HU VI JW ?
 (a) KY (b) KX (c) YK
 (d) XK (e) None of these

Directions (31-35) Study the following information carefully and answer the question given below.

Six friends A ,B, C, D, E and F are going for entrance exam during a period of starting from Monday to Saturday. Only one exam will be held on each day.

- C gives exam atleast before three exams.
 - F gives exam on Tuesday.
 - Both B and E does not give exam on even day.
 - D is going for exam immediately after the exam on which C given.
 - Atleast four persons are going for exam after E.
31. On which day E gives entrance exam?
 (a) Wednesday (b) Monday (c) Friday
 (d) Tuesday (e) None of these.
32. Who gives exam immediately after the exam of 'B' ?
 (a) E (b) D (c) A
 (d) B (e) None of these.
33. How many persons give exam before on which C gives?
 (a) One (b) Two (c) Three
 (d) Four (e) None.
34. 'A' going for the exam on which day?
 (a) Monday (b) Wednesday (c) Saturday
 (d) Tuesday (e) None of these.
35. How many persons give exam between B and the person who's exam is on Monday?
 (a) One (b) Two (c) Three
 (d) Four (e) None

QUANT

Directions (36-40): What should come in place of the question mark (?) in the following number series?

36. 68, ?, 77, 104,168, 293
 (a) 69 (b) 70 (c) 68
 (d) 74 (e) None of these
37. 18, 19.7, 16.3, 23.1, 9.5, ?
 (a) 36.5 (b) 36.8 (c) 36.7
 (d) 36.8 (e) None of these
38. 2, 5, 12, 27, 58, ?
 (a) 122 (b) 121 (c) 123
 (d) 120 (e) None of these
39. 16, 8, 12, 30,?, 472.5
 (a) 104 (b) 103 (c) 106
 (d) 105 (e) None of these
40. 334, ?, 226, 217, 214, 213
 (a) 253 (b) 251 (c) 252
 (d) 254 (e) None fo these

41. Suhas decided to donate 15% of his salary. On the day of donation he changed his mind and donated Rs.1,650 which was 11/15th of what he had decided to donate earlier. How much is Suhas' salary?
 (a) Rs. 12000 (b) Rs. 13500 (c) Rs. 15000
 (d) Rs. 16500 (e) none of these
42. Work done by A in one day is four times the work done by B in one day, while the work done by B in one day is one-third of the work done by C in one day. C alone can complete the work in 16 days. In how many days can all the three together complete the work?
 (a) 12 days (b)10 days (c) 8 days
 (d) 6 days (e) none of these
43. The total of the ages of a class of 60 girls is 900 years. The average age of 20 of the girls is 12 years and that of the other 20 girls is 16 years. What is the average age of the remaining girls?
 (a)14 years (b)15 years (c) 16 years
 (d) 17 years (e) none of these
44. A and B started a business with initial investments in the ratio 5:7. If after one year their profits were in the ratio 1 : 2 and the period for A's investment was 7 months, B invested the money for

- (a) 6 months (b) 2 ½ months (c) 10 months
 (d) 4 months (e) 7 months
45. A shopkeeper sold an article for Rs.1,380 at a loss of 8%. At what price should it be sold to gain a profit of 8%?
 (a) Rs. 1560 (b) Rs. 1620 (c) Rs. 1680
 (d) Rs. 1740 (e) None of these

Directions (46-50): What should come in place of question mark (?) in the following questions?

46. 60% of 480 + 48% of 600 = ?
 (a) 766 (b) 288 (c) 576
 (d) 276 (e) None of these
47. $5580 - 73 \times 12 + ? = 4824$
 (a) 160 (b) 320 (c) 180
 (d) 120 (e) None of these
48. $\sqrt{3969} + \sqrt{7921} = ?$
 (a) 148 (b) 150 (c) 152
 (d) 154 (e) 156
49. $\sqrt{?} + 416 = (60\% \text{ of } 920) - 110$
 (a) 576 (b) 676 (c) 784
 (d) 1024 (e) 1156
50. $1170 \div 26 + (785 - 423 + ?) = 440$
 (a) 37 (b) 33 (c) 38
 (d) 43 (e) None of these
51. A profit of 25% is earned on goods when a discount of 20% is allowed on the marked price. What profit percentage will be earned when a discount of 10% is allowed on the marked price?
 (a) $45\frac{9}{11}\%$ (b) $42\frac{3}{4}\%$ (c) $40\frac{5}{8}\%$
 (d) $37\frac{2}{3}\%$ (e) None of these
52. The compound interest on a certain sum for 2 years at 20% per annum is Rs. 880. The simple interest on the same sum for double the time at half the rate percent per annum is:
 (a) Rs. 800 (b) Rs.1000 (c) Rs. 1200
 (d) Rs. 1600 (e) None of these
53. A tap can empty a tank in one hour. A second tap can empty it in 30 min. If both the taps operate simultaneously, how much time is needed to empty the tank?
 (a) 20 min (b) 30 min (c) 40 min
 (d) 45 min (e) None of these
54. When the price of sugar decreases by 10%, a man could buy 1 kg more for Rs. 270. The original price of sugar per kg is?
 (a) Rs. 25 (b) Rs. 30 (c) Rs. 27
 (d) Rs. 32 (e) None of these
55. A train passes a 50 m long platform in 14 s and a man standing on a platform in 10 s. The speed of the train is
 (a) 24 km/h (b) 26 km/h (c) 40 km/h
 (d) 45 km/h (e) None of these

Directions (56-60): What should come in place of question mark (?) in the following questions?

56. $\sqrt[3]{17.576} \times 15 = ?$
 (a) 36 (b) 39 (c) 42
 (d) 45 (e) 48
57. 40% of 60% of $\frac{3}{5}$ of 2750 = ?
 (a) 372 (b) 384 (c) 396
 (d) 412 (e) 424
58. $134.27 - 48.76 + 519.08 - 178.60 = ?$

- (a) 421.49 (b) 425.99 (c) 427.89
 (d) 431.19 (e) 437.49

59. $44544 \div 348 = ?$
 (a) 122 (b) 124 (c) 126
 (d) 128 (e) 132
60. $3939 \div 3 + 6363 \div 3 - 9696 \div 6 = ?$
 (a) 2064 (b) 1572 (c) 1464
 (d) 1818 (e) 1564

Directions (61-65): Study the following and answer the questions given below it

Expenditures of a company (in Rs. Lakh) per annum over the given years

Items 09					
years	Salary	Fuel and transport	Bonus	Interest on loans	Taxes
2006	288	98	3.00	23.4	83
2007	342	11	2.52	32.5	108
2008	324	101	3.84	41.6	74
2009	336	133	3.68	36.4	88
2010	420	142	3.96	49.4	98

61. What is the average amount of interest per year which the company had to pay during this period?
 (a) Rs. 32.43 lakh (b) Rs. 33.72 lakh (c) Rs. 34.18 lakh
 (d) Rs. 36.66 lakh (e) none of these
62. The total amount of bonus paid by the company during the given period is approximately what per cent of the total amount of salary paid during this period?
 (a) 0.1 % (b) 0.5 % (c) 1 %
 (d) 1.25 % (e) none of these
63. The total expenditure on all these items in 2006 was approximately what per cent of the total expenditure in 2010 ?
 (a) 62% (b) 66% (c) 69 %
 (d) 71% (e) none of these
64. What is the total expenditure of the company over these items during the year 2008?
 (a) Rs. 544.44 lakh (b) Rs. 501.11 lakh (c) Rs. 446.46 lakh
 (d) Rs. 478.87 lakh (e) none of these
65. The ratio between the total expenditure on taxes for all the years and the total expenditure on fuel and transport for all the years, respectively is approximately
 (a) 4 : 7 (b) 10 : 13 (c) 15 : 18
 (d) 5 : 8 (e) none of these
66. The difference between $\frac{4}{5}$ of a number and 45% of the number is 56. What is 65% of the number?
 (a) 96 (b) 104 (c) 112
 (d) 120 (e) None of these
67. A man can row three-quarters of a kilometer against the stream in $45/4$ minutes and return in $15/2$ minutes. The speed of the man in still water is:
 (a) 2 km/hr (b) 3 km/hr (c) 4 km/hr
 (d) 5 km/hr (e) 6 km/hr
68. Three numbers are A,B and C are in the ratio 1:2:3 and their average is 600.if A is increases by 10% and B is decrease by 20%,then the average increased by 5%, C will be increase by ?
 (a) 250 (b)150 (c) 200
 (d)160 (e)180

69. The milk and water in two vessels A and B are in the ratio 4:3 and 2:3 respectively. In what ratio the liquids in both the vessels be mixed to obtain a new mixture in vessel c consisting half milk and half water?

- (a) 8 : 3 (b) 7 : 5 (c) 4 : 3
(d) 2 : 3 (e) none of these

SOLUTIONS:

Direction (1-5)

1. (a) $L > E$ (True) $C \geq J$ (false)
2. (b) $N \geq S$ (False) $P \leq Q$ (True)
3. (a) $M \leq J$ (True) $H \leq M$ (False)
4. (d) $D > Q$ (False) $K \leq E$ (False)
5. (e) $Q \leq E$ (True) $G > F$ (True)

Direction (6-10)

6. (b) Only 385 will be divisible by 3 when added 2 on first digit of each number.
7. (c) 864 521 743 853 962
8. (a) $8 \div 4 = 2$
9. (e) 786 614 539 487 398
10. (a) 864 152 347 845 926

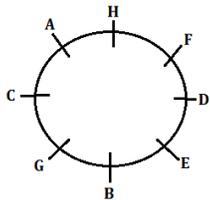
Direction (11-15)

11. (a) $L = 7^{th}$
 $R = 6^{th}$

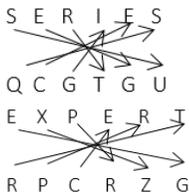
 $R = 13^{th}$
12. (c) %9, #7, @4
13. (e) E@Z
14. (d) \$L, ★ B, @Z
15. (b) $L = 4^{th}$
 $R = 12^{th}$

 $R = 16^{th}$

Direction (16-20)



16. (a)
17. (d)
18. (c)
19. (b)
20. (e)
21. (b)



22. (d)

70. What would be the area of a rectangle whose area is equal to the area of a circle of radius 7 cm?

- (a) 77 cm² (b) 154 cm² (c) 184 cm²
(d) 180 cm² (e) 150 cm²

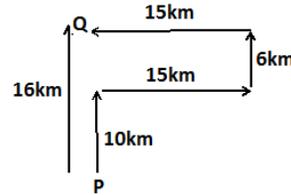


Direction (23-25)

all → li
aspirants → na
must → pa
qualify → ja
in → ta
subject → ra
read → sa

23. (d)
24. (e)
25. (c)

Direction (26-27)



26. (a)
27. (d)
28. (d) 5 4 3 2 7 6 1 8
 ↓ ↓ ↓
 1 2 3 4 5 6 7 8

Hence, there are three numbers

29. (a) x is 20th from the back.
The position of w from the back is $(20-5) = 15^{th}$
Hence the position of W from the front is $(34-15+1) = 20^{th}$

30. (d)

Direction (31-35)

PERSONS	DAYS
A	Saturday
B	Friday
C	Wednesday
D	Thursday
E	Monday
F	Tuesday

31. (b) 32. (c) 33. (b) 34. (c) 35. (c)
36. (a); $(+1)^3, (+2)^3, (+3)^3, (+4)^3, (+5)^3$
 $\therefore 68 + 1^3 = 68 + 1 = 69$
37. (c); $(+1.7), (-3.4), (+6.8), (-13.6)$
 $\therefore 9.5 + 13.6 \times 2$
 $9.5 + 27.2 = 36.7$
38. (b); $(\times 2 + 1), (\times 2 + 2), (\times 2 + 3), (\times 2 + 4)$
 $58 \times 2 + 5 = 121$
39. (d); $(\times 0.5), (\times 1.5), (\times 2.5), (\times 3.5), (\times 4.5)$

30 × 3.5 = 105
 40. (a); (-81), (-27), (-9), (-3), (-1)
 ∴ 334 - 81 = 253

41. (c); $\frac{11}{15} \times \frac{15}{100} \times x = 1650$
 $x = 15000$ Rs.

42. (d); C = 16 days
 B = 3(16) = 48 days
 $A = \frac{48}{4} = 12$ days
 ∴ All of them = $\frac{1}{\frac{1}{16} + \frac{1}{48} + \frac{1}{12}} = \frac{1}{\frac{1}{6}} = 6$ days

43. (d); 20(12) + 20(16) + 20x = 900
 20x = 900 - 240 - 320
 20x = 340
 x = 17 years

44. (c); Let initial investments be 5x and 7x
 Let B invested money for y months
 $\therefore \frac{5x \times 7}{7x \times y} = \frac{1}{2}$
 70 = 7y
 ∴ y = 10 months

45. (b); CP = $\frac{100}{92} \times 1380$
 Required price = $\frac{108}{100} \times \frac{100}{92} \times 1380 = 1620$

46. (c); 288 + 288 = 576

47. (d); ? = 4824 - 4704 = 120

48. (c); 63 + 89 = 152

49. (b); $\sqrt{?} + 416 = 442$
 $\sqrt{?} = 26$
 ? = 676

50. (b); 45 + 362 + ? = 440
 ? = 33

51. (c); Let Marked price = 100
 When discount of 20% is allowed
 Then cost price = $\frac{100}{125} \times 80 = 64$
 Now discount = 10%
 ∴ Required percentage = $\frac{90-64}{64} \times 100$
 $= \frac{26}{64} \times 100 = 40\frac{5}{8}\%$

52. (a) Let Principal = P
 Compound interest at 20% per annum for 2 years
 = (20 + 20 + 4)% of P
 = 44% of P
 44% of P = 880
 P = 2000
 Simple Interest for 4 years at 10% per annum
 = 40% of 2000 = 800

53. (a); Required time = $\frac{1}{\frac{1}{60} + \frac{1}{30}}$
 $= \frac{60}{3} = 20$ min.

54. (b); Decreased price = $\frac{10}{100} \times 270 = 27$

∴ Reduced price of Sugar = 27 Rs./ kg.

∴ Original price of Sugar = $27 \times \frac{100}{90} = 30$ Rs.

55. (d); Let speed of train be x m/s and length of the train be l m

∴ $x = \frac{50+l}{14}$ (i)

and $x = \frac{l}{10} \Rightarrow l = 10x$

∴ $x = \frac{50+10x}{14}$

14x = 50 + 10x

$x = \frac{50}{4}$ m/s

$= \frac{50}{4} \times \frac{18}{5}$
 = 45 km/h

56. (b); 2.6 × 15 = 39

57. (c); $\frac{4}{10} \times \frac{6}{10} \times \frac{3}{5} \times 2750 = 396$

58. (b); 425.99

59. (d); 128

60. (d); 1313 + 2121 - 1616 = 1818

61. (d); Required average = $\frac{183.3}{5} = 36.66$ lakh

62. (c); Required % = $\frac{17.00}{1710} \times 100 \approx 1\%$

63. (c); Required % = $\frac{495.4}{713.36} \times 100 = 69.44 \approx 69\%$

64. (a); Required expenditure = 544.44 lakh

65. (e); Ratio = $\frac{451}{485} = 0.93$

66. (b); $\frac{4}{5} = 80\%$

(80 - 45) = 35% of the no. = 56

65% of the no. = $\frac{56}{35} \times 65 = 104$

67. (d); upstream speed (u) = $\frac{3}{4} \times \frac{4}{45} \times 60 = 4$

Downstream speed (v) = $\frac{3}{4} \times \frac{2}{15} \times 60 = 6$

Speed of a man in still water = $\frac{1}{2}(4 + 6)$
 = 5 km/hr

68. (e); sum of A, B and C = 600 × 3 = 1800

A = 300, B = 600, C = 900

Now A = 330, B = 480, Average = 630

∴ 630 × 3 = 330 + 480 + C

C = 1080

C will be increased by 180

69. (b); $\frac{4}{7}$ and $\frac{2}{5}$

$\frac{1}{2}$
 $\left(\frac{1}{2} - \frac{2}{5}\right) = \frac{1}{10}$ and $\left(\frac{4}{7} - \frac{1}{2}\right) = \frac{1}{14}$

∴ Required Ratio = $\frac{14}{10}$

= 7 : 5

70. (b) Required area = $\frac{22}{7} \times 7 \times 7$

= 154 cm²

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