

Read the following instructions carefully before you begin to Answer the questions.

INSTRUCTIONS TO CANDIDATE

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1. This Booklet contains 100 questions in all comprising the following **three** parts:

General Awareness
General Intelligence & Reasoning
Quantitative Aptitude

2. In questions set bilingually in English and Hindi, in case of discrepancy, the English version will prevail.
3. All questions are compulsory and carry equal marks.
4. *The paper carries negative marking 0.25 marks will be deducted for each wrong Answer.*
5. You will be supplied the **Answer-Sheet** separately by the Invigilator. You must complete the details of **Name, Roll Number, Test ID and name of the examination** on the **Answer-Sheet** carefully. You must also put your signature on the **Answer-Sheet** at the prescribed place before you actually start **Answering** the questions. These instructions must be fully complied with, failing which, your **Answer-Sheet** will not be evaluated and you will be awarded '**ZERO**' mark.
6. **Answer** must be shown by completely blackening the corresponding ovals on the **Answer-Sheet** against the relevant question number by **Black/Blue Ball Point Pen** only. **Answer** which are not shown by Black/Blue Ball-point Pen will not be awarded any mark.
7. A machine will read the coded information in the OMR **Answer-Sheet**. In case the information is incomplete or different from the information given in the application form, such candidate will be awarded '**ZERO**' mark.
8. The **Answer-Sheet** must be handed over to the Invigilator before you leave the Examination-Hall.
9. **Failure to comply with any of the above instructions will render a candidate liable to such action/ penalty as may be deemed fit.**
10. **Answer** the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
11. **No rough work is to be done on the Answer-Sheet.**
12. **"Mobile phones and wireless communication devices are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature."**

उम्मीदवारों के लिए अनुदेश

1. इस पुस्तिका में कुल 100 प्रश्न हैं, जिनमें निम्नलिखित तीन भाग शामिल हैं

सामान्य जानकारी
सामान्य बुद्धिमत्ता एवं तर्कशक्ति
परिमाणात्मक अभिरुचि

2. अंग्रेजी और हिन्दी भाषा में तैयार किए गए द्विभाषी प्रश्नों में कोई विसंगति होने की स्थिति में अंग्रेजी विवरण मान्य होगा।
3. सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं।
4. *प्रश्न पत्र में नकारात्मक अंकन होगा। हर गलत उत्तर के लिए 0.25 अंक काटा जाएगा।*
5. निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जाएगी। उत्तर-पत्रिका में नियमावली के अनुसार ध्यानपूर्वक अपना **नाम, रोल नम्बर, टेस्ट आईडी और परीक्षा का नाम** अवश्य लिखें। प्रश्नों के उत्तर वास्तव में शुरू करने से पहले उत्तर-पत्रिका पर निर्धारित स्थान पर आप अपना हस्ताक्षर भी अवश्य करें। उपर्युक्त अनुदेशों का पूरी तरह अनुपालन किया जाए, अन्यथा आपकी उत्तर-पत्रिका को जांचा नहीं जाएगा और 'शून्य' अंक दिया जाएगा।
6. उत्तर-पत्रिका में सभी उत्तर प्रश्न संख्या के सामने दिये गये सम्बन्धित अण्डाकार खानों को केवल **काले/नीले बॉल पेन** से पूरी तरह काला करके दिखाएं। जो अण्डाकार खाने काले/नीले बॉल-पॉइंट पेन से नहीं भरे जाएंगे, उनके लिए कोई अंक नहीं दिया जाएगा।
7. ओ.एम.आर. उत्तर-पत्रिका में भरी गई कूट सूचना को एक मशीन पढ़ेगी। यदि सूचना अपूर्ण है अथवा आवेदन प्रपत्र में दी गई सूचना से भिन्न है, तो ऐसे अभ्यर्थी को 'शून्य' अंक दिया जाएगा।
8. परीक्षा-भवन छोड़ने से पहले परीक्षार्थी को उत्तर-पुस्तिका निरीक्षक के हवाले कर देनी चाहिए।
9. ऊपर के अनुदेशों में से किसी एक का भी पालन न करने पर उम्मीदवार पर विवेकानुसार कार्यवाही की जा सकती है या दण्ड दिया जा सकता है।
10. प्रश्नों के उत्तर जितनी जल्दी हो सके तथा ध्यानपूर्वक दें। कुछ प्रश्न आसान तथा कुछ कठिन हैं। किसी एक प्रश्न पर बहुत अधिक समय न लगाएं।
11. कोई रफ उत्तर-पत्रिका पर नहीं करना है।
12. 'परीक्षा हॉलों/कमरों में मोबाइल फोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं। प्रत्याशियों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फोन/किसी अन्य बेतार संचार साधन को स्विच ऑफ करके भी अपने पास न रखें। इस सावधानी का अनुपालन न करने को परीक्षा में अनुचित उपायों का प्रयोग माना जाएगा और उनके विरुद्ध कार्यवाई की जाएगी, उनकी अभ्यर्थिता रद्द कर देने सहित।'

1. The speed of light with the rise in the temperature of the medium—

- (A) Increases
- (B) Decreases
- (C) Remains unaltered
- (D) Drops sharply

Ans : (C)

2. Which from the following rivers does not originate in Indian territory?

- (A) Mahanadi
- (B) Brahmaputra
- (C) Ravi
- (D) Chenab

Ans : (B)

3. The gas predominantly responsible for global warning is—

- (A) Carbon dioxide
- (B) Carbon monoxide
- (C) Nitrous oxide
- (D) Nitrogen peroxide

Ans : (A)

4. 26th January is India's—

- (A) Independence Day
- (B) Republic Day
- (C) Revolution Day
- (D) Parliament Day

Ans : (B)

5. Which of the following uses non-conventional Source of Energy?

- (A) Kerosene lamp
- (B) Wax candle
- (C) Solar lantern
- (D) Torch

Ans : (C)

6. Electric current is measured by—

- (A) Voltmeter
- (B) Anemometer
- (C) Commutator
- (D) Ammeter

Ans : (D)

7. The dynamo is a device for converting—

- (A) Heat energy into electrical energy
- (B) Mechanical energy into electrical energy
- (C) Magnetic energy into electrical energy
- (D) None of these

Ans : (B)

8. Galvanised Iron sheets have a coating of—

- (A) Tin
- (B) Lead

- (C) Zinc
- (D) Chromium

Ans : (C)

9. The hardest substance available on earth is—

- (A) Platinum
- (B) Diamond
- (C) Quartz
- (D) gold

Ans : (A)

10. Washing soda is the common name for—

- (A) Calcium carbonate
- (B) Calcium bicarbonate
- (C) Sodium carbonate
- (D) Sodium bicarbonate

Ans : (C)

11. 2008 Olympic games will be held in—

- (A) China
- (B) Greece
- (C) Italy
- (D) France

Ans : (A)

12. Who among the following has been appointed as the new Captain of Indian Test Cricket Team?

- (A) Sachin Tendulkar
- (B) Rahul Dravid
- (C) Anil Kumble
- (D) Mahender Singh Dhoni

Ans : (C)

13. Who among the following has been selected as new coach for the Indian Cricket Team?

- (A) Vivian Richards
- (B) Gary Kirsten
- (C) Kapil Dev
- (D) Allan Border

Ans : (B)

14. The mascot for the 34th National Games, to be held in Jharkhand in 2008, is—

- (A) Sheru
- (B) Roopa
- (C) Chauva
- (D) None of these

Ans : (C)

15. With which game is the Agha Khan Cup associated?

- (A) Football
- (B) Badminton
- (C) Basketball
- (D) Hockey

Ans : (D)

16. The term, L.B.W. is associated with which of the following games?

- (A) Cricket
- (B) Hockey
- (C) Football
- (D) Polo

Ans : (A)

17. Wankhede stadium is situated in?

- (A) Chandigarh
- (B) Bangalore
- (C) Mumbai
- (D) Chennai

Ans : (C)

18. The Olympic games are normally held at an interval of—

- (A) 2 years
- (B) 3 years
- (C) 4 years
- (D) 5 years

Ans : (C)

19. Jaspal Rana is the name associated with which of the following games?

- (A) Boxing
- (B) Shooting
- (C) Archery
- (D) Weight lifting

Ans : (B)

20. Netaji Subhash National Institute of Sports is located at—

- (A) Kolkata
- (B) New Delhi
- (C) Jhansi
- (D) Patiala

Ans : (D)

21. A person wants to contest election for the membership of Gram Panchayat, what should be his age?

- (A) 18 years or above
- (B) 19 years or above
- (C) 21 years or above
- (D) Minimum 25 years

Ans : (C)

22. Who summons the joint sitting of the Rajya Sabha and Lok Sabha?

- (A) President
- (B) Speaker of the Lok Sabha
- (C) Chairman of the Rajya Sabha
- (D) Prime Minister

Ans : (A)

23. Which of the following is not a source of revenue to the village panchayat?

- (A) Property Tax
- (B) House Tax

- (C) Land Tax
- (D) Vehicle Tax

Ans : (C)

24. All electioneering campaigns during the time of elections are stopped.

- (A) 48 hours before the appointed time of election results
- (B) 48 hours before the actual poll
- (C) 24 hours before the actual poll
- (D) 36 hours before the actual poll

Ans : (D)

25. Who appoints the Chief Election Commissioner of India?

- (A) President
- (B) Prime Minister
- (C) Parliament
- (D) Chief Justice of India

Ans : (A)

26. The General Budget is presented in the parliament normally in the month of—

- (A) January
- (B) February
- (C) March
- (D) Last month of the year

Ans : (B)

27. Who is the signatory on the Indian currency notes in denomination of two rupees and above?

- (A) Secretary, Reserve Bank of India
- (B) Finance Secretary, Ministry of Finance
- (C) Governor, Reserve Bank of India
- (D) Finance Minister, Ministry of Finance

Ans : (C)

28. The monetary unit of Bangladesh is—

- (A) Rupee
- (B) Takka
- (C) Rupiah
- (D) Dollar

Ans : (B)

29. Sellers market denotes a situation where—

- (A) Commodities are available at competitive rates
- (B) Demand exceeds supply
- (C) Supply exceeds demand
- (D) Supply and demand are equal

Ans : (B)

30. Development means economic growth plus—

- (A) Inflation
- (B) Deflation
- (C) Price stability
- (D) Social change

Ans : (D)

31. The Abbreviation NAEP stands for—

- (A) National Atomic Energy Planning

- (B) National Adult education Programme
(C) National Authority on Engineering Projects
(D) Nuclear and Atomic Energy Project
Ans : (B)

32. The Abbreviations PSLV stands for—

- (A) Polar Survey Landing Vehicle
(B) Polarised Source Laser Viewing
(C) Precise Source Locating Vision
(D) Polar Satellite Launch Vehicle

Ans : (D)

33. The term 'epicentre' is associated with—

- (A) Earthquakes
(B) Tornadoes
(C) Cyclones
(D) Earth's interior

Ans : (A)

34. Which of the following order is given to the planets of solar system on the basis of their sizes?

- (A) Jupiter, Saturn, Earth, Mercury
(B) Saturn, Jupiter, Mercury, Earth
(C) Mercury, Earth, Jupiter, Saturn
(D) Earth, Mercury, Saturn, Jupiter

Ans : (A)

35. The solar eclipse occurs when—

- (A) the sun comes in between the moon and the earth
(B) the earth comes in between the sun and the moon
(C) the moon comes in between the sun and the earth
(D) None of these

Ans : (C)

36. The removal of top soil by water or wind is called—

- (A) Soil wash
(B) Soil erosion
(C) Soil creep
(D) Silting of soil

Ans : (B)

37. Which of the following is suitable for growing cotton?

- (A) Sandy soil
(B) Clayey soil
(C) Black soil
(D) Alluvial soil

Ans : (C)

38. Bandipur Sanctuary is located in the State of—

- (A) Tamil Nadu
(B) Uttar Pradesh
(C) Karnataka
(D) Madhya Pradesh

Ans : (C)

39. Largest State in terms of area, in India is—

- (A) Assam
(B) Rajasthan

- (C) Madhya Pradesh
(D) Jammu and Kashmir

Ans : (C)

40. Koraput is related to which of the following Industry—

- (A) Aeroplane
(B) Ship building
(C) Iron and steel
(D) Electric locomotives

Ans : (A)

41. Which of the following group of States is the largest producer of tea?

- (A) West Bengal, Tamil Nadu, Himachal Pradesh
(B) Karnataka, Uttar Pradesh, Rajasthan
(C) Assam, Bihar, Jharkhand
(D) West Bengal, Assam, Karnataka

Ans : (D)

42. Which of these has the largest river basin?

- (A) Brahmaputra
(B) Ganga
(C) Godavari
(D) Sutlej

Ans : (B)

43. The Indus Valley Civilization was famous for—

- (A) Well-planned cities
(B) Efficient civil organization
(C) Development of Art and Architecture
(D) All of these

Ans : (D)

44. The Red Fort of Delhi was built by—

- (A) Akbar
(B) Shahjehan
(C) Jahangir
(D) Sher Shah

Ans : (B)

45. The ancient name of the city of Patna is—

- (A) Pataliputra
(B) Kanauj
(C) Kausambi
(D) Kapilavastu

Ans : (A)

46. The ancient kingdom of "Avanti" had its capital at—

- (A) Vaishali
(B) Kausambi
(C) Ujjain
(D) Ayodhya

Ans : (C)

47. When did Vasco-da-Gama come to India—

- (A) 1492
(B) 1498
(C) 1398

(D) 1542
Ans : (B)

48. The General who gave the firing order at Jallianwala Bagh was—
(A) Tegart
(B) Cornwallis
(C) Simpson
(D) O. Dwyer
Ans : (D)

49. Gandhi ji started Satyagraha in 1919 to protest against the—
(A) Row latt Act
(B) Salt Law
(C) Act of 1909
(D) Jallianwala Bagh Messacre
Ans : (A)

50. The Britishers come to India as traders and formed company named—
(A) Indo-British Company
(B) The Great Britain Company
(C) Eastern India Company
(D) East India Company
Ans : (D)

51. Mahatma Gandhi was born in—
(A) Wardha
(B) Porbander
(C) Sabarmati
(D) Ahmedabad
Ans : (B)

52. Who gave the slogan “You give me blood, I promise you freedom”?
(A) Bhagat Singh
(B) Chandra Shekhar Azad
(C) Subhash Chandra Bose
(D) Bal Gangadhar Tilak
Ans : (D)

53. In which State is Jawahar Tunnel located?
(A) Himachal Pradesh
(B) Uttaranchal
(C) Goa
(D) Jammu and Kashmir
Ans : (D)

54. Where did the dance form “Mohini Attam” develop?
(A) Manipur
(B) Kerala
(C) Karnataka
(D) Tamil Nadu
Ans : (B)

55. On selling three articles at the cost of four article, there will be profit of—
(A) 25%
(B) 100/3 %

(C) 75/2%
(D) 40%
Ans : (B)

56. By selling an article for Rs. 40, there is loss of 40%. By selling it for Rs. 80 there is—
(A) Gain of 20%
(B) Loss of 10%
(C) Loss of 20%
(D) Gain of 10%
Ans : (A)

57. A number consists of two digits whose sum is 8. If 8 is subtracted from the number, the digits interchange their places. The number is—
(A) 44
(B) 35
(C) 62
(D) 33
Ans : (D)

58. A horse is tied to a peg hammered at one of the corner of a rectangular grass field of 40 m by 24 m by a rope 14 m long. Over how much area of the field can the horse graze?
(A) 154 m²
(B) 308 m²
(C) 240 m²
(D) 480 m²
Ans : (A)

59. The sides of a triangle are in the ratio 3 : 5 : 7 and its perimeter is 30 cm. The length of the greatest side of the triangle in cm is—
(A) 6
(B) 10
(C) 14
(D) 16
Ans : (C)

60. The radius of a right circular cone is 3 cm and its height is 4 cm. The curved surface of the cone will be—
(A) 12 η sq. cm
(B) 15 η sq. cm
(C) 18 η sq. cm
(D) 21 η sq. cm
Ans : (B)

61. The steam engine was invented by—
(A) James Watt
(B) James Prescott Joule
(C) New Commen
(D) Isaac Newton
Ans : (A)

62. Who invented the telephone?
(A) Thomas Alva Edison
(B) Galileo
(C) Alexander Graham Bell
(D) G. Marconi

Ans : (C)

63. Albert Einstein was a famous—

- (A) Physician
- (B) Chemist
- (C) Physicist
- (D) Biologist

Ans : (C)

64. The fractions $\frac{7}{11}$, $\frac{16}{20}$, $\frac{21}{22}$ when arranged in descending order is—

- (A) $\frac{7}{11}$, $\frac{16}{20}$, $\frac{21}{22}$
- (B) $\frac{21}{22}$, $\frac{7}{11}$, $\frac{16}{20}$
- (C) $\frac{21}{22}$, $\frac{16}{20}$, $\frac{7}{11}$
- (D) $\frac{7}{11}$, $\frac{21}{22}$, $\frac{16}{20}$

Ans : (C)

65. If 10% of a number is subtracted from it, the result is 1800. The number is—

- (A) 1900
- (B) 2000
- (C) 2100
- (D) 2140

Ans : (B)

66. The number is just preceding 9909 which is a perfect square is—

- (A) 9908
- (B) 9900
- (C) 9899
- (D) 9801

Ans : (D)

67. In banking ATM stands for—

- (A) Automated Tallying Machine
- (B) Automatic Teller Machine
- (C) Automated Totalling Machine
- (D) Automated Transaction of Money

Ans : (B)

68. Which amongst the following Abbreviations stands for organization related to Indian Defence forces?

- (A) DOD
- (B) RDSO
- (C) DRDO
- (D) DRES

Ans : (C)

69. Which amongst the following Abbreviations stands for organization related to Indian space programme?

- (A) NASA
- (B) ISO
- (C) ISRO
- (D) NSAT

Ans : (C)

70. The injection of anti-toxin is given to prevent—

- (A) Tetanus
- (B) Tuberculosis

(C) Typhoid

(D) Filariasis

Ans : (A)

71. Dental caries are due to—

- (A) Viral infection
- (B) Contaminated water
- (C) Bacterial infection
- (D) Hereditary causes

Ans : (C)

72. Palak leaves are rich source of—

- (A) Vitamin A
- (B) Iron
- (C) Carotene
- (D) Vitamin E

Ans : (B)

73. Which of these is not a mosquito borne disease?

- (A) Dengue fever
- (B) Malaria
- (C) Filariasis
- (D) Goitre

Ans : (D)

74. Oranges are rich source of—

- (A) Carbohydrates
- (B) Fats
- (C) Proteins
- (D) Vitamins

Ans : (D)

75. Which acid is produced when milk gets sour?

- (A) Tartaric acid
- (B) Butyric acid
- (C) Lactic acid
- (D) Acetic acid

Ans : (C)

76. AIDS stands for—

- (A) Acquired Immune Disease Syndrome
- (B) Acquired Immunity Deficient Syndrome
- (C) Acquired Immune Deficiency
- (D) Acquired Infection Deficiency Syndrome

Ans : (C)

77. Stem cuttings are commonly used for re-growing—

- (A) Cotton
- (B) Banana
- (C) Jute
- (D) Sugar Cane

Ans : (D)

78. Persons with which blood group are called universal donors—

- (A) AB
- (B) A
- (C) O
- (D) B

Ans : (C)

79. Silk is produced by—

- (A) Egg of silkworm
- (B) Pupa of silkworm
- (C) Larva of silkworm
- (D) Insect itself

Ans : (C)

80. Which amongst the following is the train introduced by Indian Railways bringing travel by AC class within the reach of a common man?

- (A) August Kranti
- (B) Jan Shatabdi
- (C) Garib Rath
- (D) Sampark Kranti

Ans : (C)

81. Approximately how many stations are there on the Indian Railway Network?

- (A) 6000
- (B) 7000
- (C) 8000
- (D) 9000

Ans : (B)

82. The Headquarters of North Western Railway is at—

- (A) Abu Road
- (B) Jodhpur
- (C) Ajmer
- (D) Jaipur

Ans : (D)

83. The new electric railway engines are manufactured in—

- (A) Varanasi
- (B) Chittaranjan
- (C) Patiala
- (D) Chennai

Ans : (C)

84. Which of the following is true in regard to Indian railway?

- (A) It is the cheapest means of transportation
- (B) The chief source of income is transportation of goods
- (C) It is the only largest employer
- (D) All of the above

Ans : (D)

85. The highest gallantry award in India is—

- (A) Ashok Chakra
- (B) Paramvir Chakra
- (C) Mahavir Chakra
- (D) Param Vishista Chakra

Ans : (B)

86. Oscar prize is related to—

- (A) Literature
- (B) Films
- (C) Science

(D) Music

Ans : (B)

87. Arjuna award is given for—

- (A) Bravery in the battle field
- (B) Excellence in archery
- (C) Excellence in sports
- (D) Excellent service during emergency

Ans : (C)

88. The first Indian recipient of Nobel Prize in Literature is—

- (A) Mother Teresa
- (B) Rabindranath Tagore
- (C) Sorijini Naidu
- (D) C.V. Raman

Ans : (B)

89. Bismillah Khan is related to—

- (A) Tabla
- (B) Sarod
- (C) Flute
- (D) Shehnai

Ans : (D)

90. Who is the external affairs minister in the present union Cabinet?

- (A) Shivraj Patil
- (B) Pranab Mukherjee
- (C) Priyaranjan Dasmunshi
- (D) A.K. Antony

Ans : (B)

91. Who is the present Union Agriculture Minister?

- (A) RaghuvAnsh Prasad Singh
- (B) Manishankar Iyler
- (C) Sharad Parwar
- (D) Kamalnath

Ans : (C)

92. Who is the present union Tourism and Culture Minister?

- (A) Ambika Soni
- (B) Kapil Sibbal
- (C) Renuka Chaudhary
- (D) Sushil Kumar Shinde

Ans : (A)

93. Who is the chairman of senior selection committee in BCCI?

- (A) Sunil Gavaskar
- (B) Dilip Vengasarkar
- (C) Kapil Dev
- (D) Chetan Chauhan

Ans : (B)

94. The assembly elections were held recently in two states namely—

- (A) Gujarat and Andhra Pradesh
- (B) Madhya Pradesh and Himachal Pradesh

- (C) Himachal Pradesh and Gujarat
(D) Andhra Pradesh and Himachal Pradesh

Ans : (C)

95. Thermometer is related to degree in the same way as clock is related to—

- (A) Wall
(B) Tower
(C) Hour
(D) Cock

Ans : (C)

96. The headquarters of the United Nations Union is located at—

- (A) Geneva
(B) New York
(C) Rome
(D) Washington

Ans : (B)

97. To work on mobile cell phone which of the following is/are required?

- (A) Favourable handset
(B) Sim card
(C) Service provider network
(D) All of the above

Ans : (D)

98. Find the root value of $36.1 / 102.4$ —

- (A) 61 / 34
(B) 19 / 31
(C) 19 / 32
(D) 19 / 33

Ans : (C)

99. Which of the following keys of personal computer is not available in the key board of traditional typewriters?

- (A) Tab
(B) Spacebar
(C) Enter
(D) Backspace

Ans : (C)

100. Which of the following words is not related to the functioning of Internet?

- (A) www
(B) http
(C) e-mail
(D) All of the above

Ans : (D)

