MVL (N,T)

IMV/20

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO.

2020

TEST BOOKLET

Time allowed : $1\frac{1}{2}$ hours

Full marks : 200

Answer ***all*** the questions.

Questions are of equal value.

TEST BOOKLET SERIES

A

19933

Serial No. .....

Roll No.:

Signature of the Candidate:

INSTRUCTIONS

Candidates should read the following instructions carefully before answering the questions:

1. This booklet consists of 12 pages including this front page, containing 100 questions. **Verify the Page Nos. and Test Booklet series on each page and bring at once to the Invigilator's notice any discrepancy.**
2. Answers will have to be given in the Special Answer-Sheet supplied for the purpose.
3. Before you proceed to mark in the Answer-Sheet in response to various items in the Test Booklet, you have to fill in some particulars in the Answer-Sheet as per instructions sent to you in the Admit Card. ***Do not fold the Answer-Sheet as this will result in error in your marks.***
4. All questions are of multiple-choice answer-type. You will find ***four*** probable answers **(A)**, **(B)**, **(C)** and **(D)** against each question. Find out which of the four answers appears to be correct or the best. Now darken the circle corresponding to the letter of the selected answer in the Answer-Sheet with **Black Ball Point Pen** as per instructions printed on the reverse of the Admit Card and in the Answer-Sheet.
5. One and only one circle is to be fully blackened for answer. Any spot in any other circle (multiple circle) or in wrong circle will be considered as wrong answer.
6. ***There will be negative marking for wrong answer. $\frac{2}{3}$ mark will be deducted for each wrong answer.***
7. ***There is a blank page at the end of this Booklet for Rough Work.***
8. ***The Special Answer-Sheet should be handed over to the Invigilator before leaving the Examination Hall. You are permitted to take away the used Test Booklet after completion of the examination.***

1. What is the currency of Japan?

(A) Euro
(B) Yen
(C) Rouble
(D) Dinar

2. In which Schedule of the Constitution of India lists of the Centre, States and Concurrent responsibilities are defined?

(A) The Sixth
(B) The Seventh
(C) The Eighth
(D) The Ninth

3. Which one of the following is not a metal?

(A) Platinum
(B) Mercury
(C) Nickel
(D) Silicon

4. The largest State in India in terms of area is

(A) Madhya Pradesh
(B) Maharashtra
(C) Tamil Nadu
(D) Rajasthan

5. The FIFA World Cup of 2018 was won by

(A) Croatia
(B) Germany
(C) France
(D) Russia

6. The United Nation was established in the year

(A) 1940
(B) 1945
(C) 1950
(D) 1956

7. The first Human Corona Virus was identified and imaged in

(A) New York
(B) London
(C) Wuhan
(D) Tokyo

8. Milk is an example of

(A) Emulsion
(B) Gel
(C) Foam
(D) Sol

9. In which Amendment of the Constitution of India the Preamble was changed from 'Sovereign Democratic Republic' to 'Sovereign Socialist Secular Democratic Republic'?

(A) 39th
(B) 42nd
(C) 73rd
(D) 74th

10. What does 'CTC' mean for Tea Industry?

(A) Crush, Tear, Curl
(B) Curl, Tear, Cut
(C) Crush, Tear, Cut
(D) Clean, Taste, Choose

11. International Yoga Day is celebrated on

(A) 01 June
(B) 05 June
(C) 21 June
(D) 23 June

12. The famous film 'Bhuvan Shome' was directed by

(A) Ritwik Ghatak
(B) Mrinal Sen
(C) Satyajit Ray
(D) Tapan Sinha

13. Scurvy is caused by the deficiency of

(A) Vitamin D
(B) Vitamin B
(C) Vitamin C
(D) Vitamin A

14. Which one of the following pairs of the tropical cyclones and their land fall area is not correctly matched?

(A) Ockhi- Kerala
(B) Vayu- Odisha
(C) Amphan-West Bengal
(D) Gaja- Tamil Nadu

15. Which one of the following countries is not a part of BIMSTEC?

(A) Bangladesh
(B) Thailand
(C) Sri Lanka
(D) Indonesia

16. The full form of NITI Ayog is

(A) National Institute for Transformation of India
(B) National Institution for Transforming India
(C) National Institute of Technocrats in India
(D) Nodal Institution for Transforming India

17. WikiLeaks was founded by

(A) Mark Jukerberg
(B) Julian Assange
(C) Jeff Bezos
(D) Jac Ma

18. Which is known as 'Garden City' of India?

(A) Shimla
(B) Pune
(C) Bangalore
(D) Jaipur

19. The practice of intentionally ending life to relive pain and suffering is called

(A) Euphoria
(B) Euthanasia
(C) Anesthesia
(D) Dyslexia

20. Which of the following cards was issued first?

(A) PAN
(B) AADHAAR
(C) Voter ID
(D) Ration Card

21. The last Governor-General of India was
(A) C. Rajagopalachari
(B) Lord Mountbatten
(C) Lord Canning
(D) Earl of Dalhousie

22. How many countries are members of the United Nations?
(A) 188
(B) 190
(C) 191
(D) 193

23. 'Bitcoin' is an example of
(A) Computer programming
(B) Gamming App
(C) Internet browser
(D) Crypto currency

24. Goods and Services Tax (GST) was launched nationwide in India on
(A) 26 January 2017
(B) 1 April 2017
(C) 1 July 2017
(D) 15 August 2017

25. Which of the following is not included in the WEB 2.0 group?
(A) Email
(B) Facebook
(C) Twitter
(D) WhatsApp

26. In 2019 the Amazon Rainforest was in news because of
(A) Devastating floods
(B) Raging fires
(C) Extensive mining
(D) Conflicts among the tribes

27. Flowers without petals are pollinated by
(A) Bees
(B) Birds
(C) Butterflies
(D) Wind

28. 'Citius, Altius, Fortius' is the motto of
(A) Asian Games
(B) Commonwealth Games
(C) Olympic Games
(D) None of the above

29. Which one of the following is not associated with Mahavalipuram?
(A) It is a coastal town of Andhra Pradesh.
(B) It is famous for monolithic rock cut temples and world heritage site.
(C) It came to prominence during the Pallava Period.
(D) An informal summit between Prime Minister of India and Chinese President took place here.

30. How many stars are there on the American flag?
(A) 30
(B) 50
(C) 60
(D) 75

31. Toni Morrison was a world famous
(A) Novelist
(B) Politician
(C) Footballer
(D) Painter

32. Which disease is caused by Fungus?
(A) Polio
(B) Malaria
(C) Dermatitis
(D) Cholera

33. When did the Korean War begin?
(A) 1949
(B) 1950
(C) 1951
(D) 1953

34. The fastest train in India was named as
(A) Taj Express
(B) Duronto Express
(C) Rajdhani Express
(D) Vande Bharat Express

35. 'Kathakali' is a highly stylized classical dance form originated in
(A) Kerala
(B) Andhra Pradesh
(C) Uttar Pradesh
(D) Tamil Nadu

36. Who used to call Gandhiji as the 'Father of the Nation'?
(A) Jawaharlal Nehru
(B) Rabindranath Tagore
(C) Subhash Chandra Bose
(D) Sardar B. V. Patel

37. Where is the headquarters of the World Health Organization (WHO) located?
(A) Geneva
(B) Vienna
(C) Brussels
(D) Stockholm

38. How many organs are there in a human body?
(A) 76
(B) 77
(C) 78
(D) 79

39. X-ray fails to pass through
(A) Flesh
(B) Bone
(C) Iron
(D) Gold

40. Which of the following is the capital of Azerbaijan?
(A) Tbilisi
(B) Riga
(C) Tehran
(D) Baku

41. Which state of India has the highest percentage of forests to its total geographical area?

(A) Nagaland
(B) Arunachal Pradesh
(C) Mizoram
(D) Meghalaya

42. The median age of population of India at present is about

(A) 27 years
(B) 30 years
(C) 33 years
(D) 35 years

43. Which of the following planets revolves from east to west (i.e. retrograde revolution)?

(A) Venus
(B) Earth
(C) Jupiter
(D) Saturn

44. The Constitution of India was adopted by the Constituent Assembly on

(A) 15 August 1947
(B) 26 November 1949
(C) 24 January 1950
(D) 26 January 1950

45. An example of a scalar quantity is

(A) Velocity
(B) Force
(C) Momentum
(D) Energy

46. The National Song of India was composed by

(A) Rabindranath Tagore
(B) Aurobindo Ghosh
(C) Bankim Chandra Chatterjee
(D) Gulzar

47. Kartarpur Corridor is in between India and

(A) Nepal
(B) Bangladesh
(C) Pakistan
(D) Bhutan

48. With an ordinary balance, we measure

(A) volume
(B) mass
(C) weight
(D) density

49. 'Sangai' (the Dancing Deer) is an endangered animal species found in the State of

(A) Rajasthan
(B) Arunachal Pradesh
(C) Manipur
(D) Tamil Nadu

50. The highest level of security provided to high-risk individuals in India is termed as

(A) X category
(B) Y category
(C) Z category
(D) Z+ category

51. On April 19, 1975 India launched its first satellite into space was named as

(A) INSAT-1
(B) Aryabhatta
(C) Bhaskara
(D) Kalpana

52. Who is the author of the book 'Wings of Fire'?

(A) Jawaharlal Nehru
(B) APJ Abdul Kalam
(C) George W. Bush
(D) Shiv Khera

53. Lake Priyadashini is located in

(A) Kerala
(B) Andaman & Nicobar Island
(C) Ladakh
(D) Antarctica

54. LPG cylinder contains

(A) Butane and Isobutane
(B) Butane and Propane
(C) Isobutane and Propane
(D) Butane, Isobutane and Propane

55. In which Indian state is the Chicken's Neck located?

(A) West Bengal
(B) Sikkim
(C) Meghalaya
(D) Assam

56. Exact name of the most famous prize Abhijit Vinayak Banerjee won in 2019 for his contribution to Economics is called

(A) Nobel Prize
(B) World Bank Prize
(C) Swiss Bank Prize
(D) Sveriges Riksbank Prize

57. Radioactive decay of uranium produces

(A) Arsenic
(B) Bismuth
(C) Lead
(D) Tin

58. When is World Health Day celebrated?

(A) 7 April
(B) 30 April
(C) 5 June
(D) 22 June

59. What is the study of maps called?

(A) Speleology
(B) Cartography
(C) Potamology
(D) Orology

60. Which one of the following bird/animal takes the longest migration for seasonal activity?

(A) Elephant Seal
(B) Gray Whale
(C) Leatherback Turtle
(D) Arctic Tern

61. The most abundant rare gas in atmosphere is

(A) Helium
(B) Neon
(C) Argon
(D) Xenon

62. The National Youth Day is celebrated on

(A) 12 January
(B) 22 April
(C) 21 June
(D) 05 September

63. In 2018 the Supreme Court of India scrapped Section 377 which is related to

(A) LGBTQ Community
(B) Revoking special status of Jammu & Kashmir
(C) Resolving the Ayodhya Dispute
(D) Citizenship Amendment Bill

64. Which one of the following diseases is not caused by a virus?

(A) Common Cold
(B) SARS
(C) Tetanus
(D) Chickenpox

65. The First one of the 17 Sustainable Development Goals (SDG) is

(A) Alleviation of poverty
(B) Reduction of hunger
(C) Quality education
(D) Clean water and sanitation

66. The First Session of the Indian National Congress was held in

(A) Kolkata
(B) Madras
(C) Allahabad
(D) Bombay

67. A 'Blue Moon' occurs on the average in every about

(A) 2 years
(B) 2.5 years
(C) 2.7 years
(D) 3 years

68. Which of the following divides Afghanistan and Pakistan?

(A) Radcliffe line
(B) Durand line
(C) Marginal line
(D) Medicine line

69. Which one of the following personality is a Nobel Laureate?

(A) Jean Dreze
(B) Amartya Sen
(C) Ramchandra Guha
(D) Adam Smith

70. 'Sagarmala Project' is associated with

(A) development of the Indian ports
(B) coastal fishing
(C) coastal mining
(D) ocean development

71. Who among the following is the first writer in English to have won Jnanpith Award?

(A) Arundhati Roy
(B) Jhumpa Lahiri
(C) Amitav Ghosh
(D) V. S. Naipal

72. 'Salar Jung Museum' is located in

(A) Delhi
(B) Hyderabad
(C) Kochin
(D) Vadodara

73. The image formed by a plane mirror is

(A) real and erect
(B) virtual and inverted
(C) virtual and erect
(D) real and inverted

74. Which one of the following is not considered as a 'soft skill'?

(A) Positive attitude
(B) Empathy
(C) Socialization
(D) Computation skill

75. Drone is not usually applied in which of the following sectors in India?

(A) Military
(B) Land Survey
(C) Forestry & Wild Life
(D) Transportation

76. The least number which leaves no remainder when divided by 36, 48 and 112 is

(A) 524
(B) 1008
(C) 756
(D) 224

77. $\frac{\sqrt{15}-2}{\sqrt{15}+2}+\frac{\sqrt{15}+2}{\sqrt{15}-2}=$

(A) $2\frac{\sqrt{15}}{3}$

(B) $3\frac{5}{11}$

(C) 7

(D) $8\frac{\sqrt{7}}{3}$

78. A and B can do a work in 8 days, B and C can do the same work in 12 days, C and A can do the work in 16 days. If they all work together, the work can be done in

(A) 12 days

(B) $10\frac{10}{17}$ days

(C) $7\frac{1}{2}$ days

(D) $7\frac{5}{13}$ days

79. When sold at Rs. 90, loss incurred on a toy is 25%. The price at which it is to be sold to gain 10% is

(A) Rs. 99
(B) Rs. 110
(C) Rs. 120
(D) Rs. 132

80. 2 two digit numbers consisting of the same 2 digits are in the ratio 4:7. One such pair of number is

(A) 40, 70
(B) 16, 61
(C) 20, 35
(D) 12, 21

81. Find the odd one out.

(A) $\sqrt{8}$

(B) $\sqrt{16}$

(C) $\sqrt{32}$

(D) $\sqrt{128}$

82. Rs. 820 is divided among A, B, C so that A : B = 3 : 4 and B : C = 3 : 5. Then B gets

(A) Rs. 90

(B) Rs. 120

(C) Rs. 200

(D) Rs. 240

83. 3 men and 4 boys complete a work in 28 days, whereas 4 men and 6 boys complete the same work in 20 days. The number of days required by 7 men and 6 boys to complete the same work is

(A) 280 days

(B) 56 days

(C) 28 days

(D) 14 days

84. The rational number whose numerator is the largest 2 digit number and denominator the smallest 4 digit number is

(A) $\frac{9999}{10}$

(B) $\frac{1000}{99}$

(C) $\frac{99}{10}$

(D) $\frac{99}{1000}$

85. A man sold 2 books at Rs. 1248 each. On one he gained 4% and on the other he lost 4%. The total loss or gain —

(A) Gain Rs. 4

(B) No gain, no loss

(C) Loss Rs. 4

(D) Loss of 4%

86. The greatest number which leaves the same remainder when it divides 590, 908 and 1014 is

(A) 2

(B) 14

(C) 52

(D) 106

87. The product of 2 numbers is 20736 and their HCF is 24. Then the LCM of the numbers is

(A) 864

(B) 1008

(C) 1249

(D) 2104

88. A certain sum amounts to Rs. 14,400 at 4% p.a. simple interest in 5 years. The principal is

(A) Rs. 14,000

(B) Rs. 13,600

(C) Rs. 12,000

(D) Rs. 9,000

89. Which of the following statements is correct?

(A) $\sqrt{2}$ is a rational number.

(B) Sum of 2 irrational numbers is always irrational.

(C) Sum of 2 rational numbers is always rational.

(D) $\sqrt{49}$ is an irrational number.

90. The least number that should be subtracted from 12773 to make it a perfect square is

(A) 1

(B) 2

(C) 3

(D) 4

91. If 770 is divided into 4 parts proportional to 2:3:4:5, then the smallest and largest parts will be

(A) 110, 165
(B) 110, 275
(C) 165, 220
(D) 220, 275

92. The ratio of the present ages of a father to that of his son is 7:2. After 5 years, the ratio of their ages will be 8:3. The present age of the son is

(A) 10 years
(B) 35 years
(C) 5 years
(D) 15 years

93. Out of 745 students, maximum are to be arranged in such a way that the number of rows is equal to the number of columns. If 16 students were left out after the arrangement, the number of rows is

(A) 27
(B) 29
(C) 31
(D) 37

94. A man went on a tour and spent as many rupees each day as the total number of days in the tour. His total expense was Rs. 1296. The duration of his tour was

(A) 74 days
(B) 36 days
(C) 24 days
(D) Insufficient information

95. The length of the sides of two square sheets are 12 cm and 9 cm. The ratio of their areas will be

(A) 4:3
(B) 16:3
(C) 4:9
(D) 16:9

96. Time taken by a train 150 m long, moving at a speed of 36 kmph, to pass a lamp post is

(A) 36 seconds
(B) 15 seconds
(C) 15 minutes
(D) 36 minutes

97. A hostel had provision for 75 students for 30 days. After 6 days, 15 more students joined the hostel. The remaining provisions will last for

(A) 24 days
(B) 36 days
(C) 90 days
(D) 20 days

98. The time in which Rs. 9,000 amounts to Rs. 12,150 at 7% p.a. simple interest is

(A) 5 years
(B) 7 years
(C) 9 years
(D) 12 years

99. 8 men or 15 boys earn Rs. 12,000 in 30 days. In 5 days, how much money will 20 men and 24 boys earn?

(A) Rs. 19,200
(B) Rs. 30,000
(C) Rs. 49,200
(D) Rs. 8,200

100. By selling 320 articles at the cost price of 400 articles, the percentage of profit is

(A) 80%
(B) 40%
(C) 25%
(D) 20%

Space for Rough Work

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