VN/18

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO.
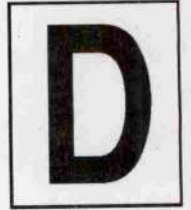
2018

TEST BOOKLET

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

Full marks : 200

Answer *all* the questions.

Questions are of equal value.

TEST BOOKLET SERIES

D

36064

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 16 pages including this front page. Verify the Page Nos. 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 you 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 answers.* $\frac{2}{3}$ *mark for each wrong answer.*

7. *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.*

Please Turn Over

Test Prime

ALL EXAMS, ONE SUBSCRIPTION

70,000+ Mock Tests

Personalised Report Card

Unlimited Re-Attempt

600+ Exam Covered

Previous Year Papers

500% Refund

ATTEMPT FREE MOCK NOW

1. Which one of the states is not a coastal one?
   (A) West Bengal
   (B) Kerala
   (C) Sikkim
   (D) Tamil Nadu

2. The Khyber pass is from
   (A) Waziristan to Kabul
   (B) Peshawar to Kabul
   (C) Kandahar to Quetta
   (D) Punjab to Tibet

3. What is the correct sequence of the following rivers which moving from North to South?
   (A) Jhelum, Beas, Ravi, Sutlej
   (B) Jhelum, Sutlej, Ravi, Beas
   (C) Jhelum, Beas, Sutlej, Ravi
   (D) Jhelum, Ravi, Beas, Sutlej

4. What Mangrove Area is located in West Bengal?
   (A) Subernarekha
   (B) East Godavari
   (C) Sunderbans
   (D) Karwar

5. Recently the government has announced which river-linking project?
   (A) Chambal-Ken
   (B) Krishna-Cauvery
   (C) Ken-Betwa
   (D) None of the above

6. Which town-industry location is not correctly matched?
   (A) Ahmedabad — cotton textiles
   (B) Ambala — scientific goods
   (C) Bhagalpur — silk
   (D) Chittaranjan — iron and steel

7. Where is Nedumbassery airport situated?
   (A) Cochin
   (B) Calicut
   (C) Mangalore
   (D) Coimbatore

8. Which one of the following ports is best protected?
   (A) Kochi
   (B) Chennai
   (C) Vizag
   (D) Mumbai

9. National Income is equal to
   (A) Total value of goods and services produced by the nationals
   (B) Sum of total consumption and investment expenditure
   (C) Sum of personal income of all individuals
   (D) Money value of final goods and services produced

10. The Rangarajan Committee was set up to
    (A) demarcate OBC people.
    (B) set up norms for ascertaining poverty line.
    (C) fix up calorie standard.
    (D) fix up consumption goods for the poor.

Please Turn Over

11. 'Swavalamban' scheme is devised for
   (A) pension to the workers
   (B) pension to the labour of the unorganised sector
   (C) pension to marginal peasants
   (D) pension to the agricultural labour

12. At present nuclear power generation capacity contributes
   (A) 1% of the total electricity generation
   (B) 3% of the total generation of power
   (C) 2% of the total generation of power
   (D) 5% of the total generation of power

13. Which one of the following is most inflationary in its effect in India?
   (A) Repayment of public debt
   (B) Borrowing from the public to finance budget deficit
   (C) Borrowing from the banks to finance budget deficit
   (D) Creating new money to finance budget deficit

14. The South Asia Free Trade Area Agreement was signed on January 6, 2004 in
   (A) Islamabad
   (B) Kathmandu
   (C) New Delhi
   (D) Colombo

15. In India fiscal policy is formulated by
   (A) Planning Commission
   (B) Finance Ministry
   (C) Finance Commission
   (D) Reserve Bank of India

16. A building that uses the optimum level of energy is called in India
   (A) White Building
   (B) Green Building
   (C) Optimal Building
   (D) Sustainable Building

17. 'OBOR' is a strategy for
   (A) Asia-Pacific Domination
   (B) Establishing Chinese hegemony
   (C) Isolating India in South-East Asia
   (D) Inviting Big-power rivalry in the Asia-Pacific

18. Identify the right match.
   (A) The Harakat-ul-Ansar — Libya
   (B) Jamaat-ul-Fuqra — Pakistan
   (C) Irish Republican Army — Japan
   (D) ISIS — Peru

19. Rapid Action Force is a
   (A) unit of Delhi Police
   (B) branch of the CBI
   (C) unit of the Indian Army
   (D) Para - military force

20. Which one of the following aircrafts is the air-to-air refueller of the Air force of India?
   (A) Ilyushin – 78
   (B) C – 17 Globemaster
   (C) C – 130J Hercules
   (D) Ilyushin – 76

21. Who among the following were awarded Special Breakthrough Prize in Fundamental Physics for the year 2017?
   (A) Stephen W. Hawking and Roget Penrose
   (B) Ronald Drever, Kip S. Thorne, Rainer Weiss
   (C) Joseph Polchinski, Andrew Strominger, Cumrun Vafa
   (D) J. Michael Kosterlitz, Duncan Haldane, David J. Thouless

22. The Law of the conservation of energy is
   (A) The first law of Thermodynamics
   (B) The second law of Thermodynamics
   (C) The law of Entropy
   (D) The law of Fusion

23. The elastic limit is equal to
   (A) Stress
   (B) Strain
   (C) Young's Modulus
   (D) Modulus of rigidity

24. Wave is a way of
   (A) Transfer of energy from one place to other
   (B) Transfer of matter from one place to other
   (C) Wave has no specific wavelength and frequency
   (D) Gamma rays radiation

25. Acoustics is the study of
   (A) Low temperature
   (B) Production and properties of sound
   (C) Liquid and gases
   (D) Life processes

26. X can do a piece of work in 20 days and Y can do it in 12 days. Y worked at it for 9 days. In how many days can X alone finish the remaining work?
   (A) 5
   (B) 3
   (C) 7
   (D) 11

27. If $\frac{3}{5}$ th of 60% of a number is 36, the number is
   (A) 90
   (B) 80
   (C) 100
   (D) 75

28. The mean of five (5) numbers is 18. If one number is excluded, their mean is 16. The excluded number is
   (A) 26
   (B) 27
   (C) 25
   (D) 30

29. $999\frac{1}{7} + 999\frac{2}{7} + 999\frac{3}{7} + 999\frac{4}{7} + 999\frac{5}{7} + 999\frac{6}{7} = ?$
   (A) 2997
   (B) 5997
   (C) 5979
   (D) 5994

30. In a mixture of 60 liters, the ratio of milk and water is 2:1. If the ratio of milk and water is to be 1:2, then the quantity of water (in liters) to be further added is
   (A) 30
   (B) 20
   (C) 40
   (D) 60

31. $\frac{5}{8}$ of $24 = \frac{15}{7} \times ?$

(A) 7

(B) $\frac{7}{225}$

(C) 8

(D) 15

32. $\frac{(0.73)^3 + (0.27)^3}{(0.73)^3 + (0.27)^3 - 0.73 \times 0.27} = ?$

(A) 0.4087

(B) 0.73

(C) 0.46

(D) 1

33. The value of $\frac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$ is

(A) $\sqrt{2}$

(B) 4

(C) 2

(D) 8

34. The population of a town increases by 5% annually. If it is 15435 now, its population 2 years ago was

(A) 14000

(B) 15000

(C) 13700

(D) 14800

35. A man received 15% increase in his salary. If his new salary is ₹ 1932, his original salary was (in rupees)

(A) 1642·20

(B) 1820

(C) 1680

(D) 1720·60

36. The speed of a train 150m long is 50km/h. How much time will it take to pass a platform 600m long?

(A) 50 Sec

(B) 60 Sec

(C) 54 Sec

(D) 64 Sec

37. The selling price of an article is $\frac{4}{3}$ times its cost price. The gain percentage is

(A) $20\frac{1}{2}\%$

(B) $20\frac{1}{3}\%$

(C) $25\frac{1}{4}\%$

(D) 33%

38. The ratio of cost price and selling price of an article is 20 : 21. What is the profit per cent on it?

(A) 5·5%

(B) 5%

(C) 6%

(D) 6·25%

39. In what time will a sum of money double itself at $6\frac{1}{4}\%$ p.a. simple interest?

(A) 5 years

(B) 12 years

(C) 8 years

(D) 16 years

40. A boat is rowed downstream at 15·5 km/hr and upstream at 8·5 km/hr. The speed of the stream is

(A) 3·5 km/hr

(B) 5·75 km/hr

(C) 6·5 km/hr

(D) 7 km/hr

41. Price of 5 chairs and 2 tables is Rs. 1,350. Two chairs cost as much as one table. What is the price of one chair and one table?

(A) Rs. 350

(B) Rs. 450

(C) Rs. 500

(D) Rs. 550

42. A starts a business at the beginning of the year with a capital Rs. 9,000. After 3 months B joined the business with a capital of Rs. 12,000. If the profit at the end of 2 years be Rs. 9,620, difference between the profit of A and B is

(A) Rs. 740

(B) Rs. 750

(C) Rs. 760

(D) Rs. 770

43. A can do a work in 24 days. If B's efficiency is 60% more than A, B can do the whole work in

(A) 12 days

(B) 15 days

(C) 18 days

(D) 20 days

44. In a mixture ratio of first and second liquid is 2 : 3 and in another mixture ratio of those two liquids is 5 : 4. Ratio in which the two mixtures be mixed so that quantity of two liquid in the new mixture be equal is

(A) 2 : 5

(B) 3 : 7

(C) 5 : 9

(D) 9 : 11

45. A car goes from A to B at a speed 36 km/hr and returns from B to A at a speed 45 km/hr. Average speed of the car during the whole journey is

(A) 40·5 km/hr

(B) 40 km/hr

(C) 35 km/hr

(D) 30 km/hr

46. Successive Commission of 20%, 10% and 5% on an article is equivalent to the commission

(A) 31%

(B) 31·6%

(C) 32·5%

(D) 35%

47. What per cent is 150 ml of 3·5 litres?

(A) $3\frac{2}{7}\%$

(B) $4\frac{2}{7}\%$

(C) $5\frac{2}{7}\%$

(D) $6\frac{2}{7}\%$

48. A train can go from Burdwan to Howrah in 6 hours and another train can go from Howrah to Burdwan in 4 hours. Both of them start at 7 AM. They will meet at

(A) 9·15 AM

(B) 9·22 AM

(C) 9·24 AM

(D) 9·25 AM

49. Bananas are bought at 3 for Rs. 2 and sold at 2 for Rs. 3. Find the gain per cent.

(A) 110%

(B) 115%

(C) 120%

(D) 125%

Please Turn Over

50. If two numbers are in the ratio 5:7 and their L.C.M. is 315, then their product is
(A) 2358
(B) 2385
(C) 2538
(D) 2835

51. When was the first session of the Hindu Mahasabha held?
(A) In April 1915
(B) In May 1932
(C) In January 1939
(D) In August 1944

52. Why did Gandhiji go to Africa?
(A) To begin his experiments on Satyagraha
(B) To establish a unit of Congress party
(C) To set up Tolstoy farm for the poor peasants
(D) To fight a legal battle for a Gujrati Muslim Businessman

53. The Rowlatt Act aimed at
(A) Full economic support to war efforts
(B) Imprisonment without trial and summary procedures for trial
(C) Suppression of Khilafat Movement
(D) Imposition of restrictions on Freedom of Press

54. Trade Unions were first legally recognised in India by
(A) Trade Union Act, 1924
(B) The Trade Union Act, 1926
(C) The Trade Disputes Act, 1929
(D) The Whitley Commission 1929

55. Which one of the following pairs is not correctly arranged?
(A) Fraser Commission (1902) — On land Revenue and Famine
(B) Hunter Commission (1919) — On Punjab Disturbances
(C) Butler Commission (1927) — On Indian States
(D) Simon Commission (1927) — On Montague-Chelmsford Report 1918

56. Who, among one following, represented the Depressed classes at the Second Round Table Conference in 1931?
(A) Tej Bahadur Sapru
(B) B. R. Ambedkar
(C) Jayakar
(D) Moonje

57. Sind and Orissa provinces were created by
(A) Poona Pact, 1932
(B) Gandhi - Irwin Pact, 1931
(C) The Government of India Act, 1935
(D) August offer, 1940

58. ".... a post-dated cheque on a falling bank", who said this and about what?

    (A) Jawaharlal Nehru about August offer, 1940

    (B) Mahatma Gandhi about August offer, 1940

    (C) Jawaharlal Nehru on Cripps offer

    (D) Mahatma Gandhi on Cripps offer

59. (i) INA Trial

    (ii) Royal Indian Navy Mutiny

    (iii) Desai-Liaquat Pact

    (iv) Gandhi-Jinnah Talks

What is the correct chronological sequence?

    (A) (iv) (iii) (i) (ii)

    (B) (iii) (iv) (i) (ii)

    (C) (ii) (iv) (i) (iii)

    (D) (i) (ii) (iii) (iv)

60. 'The Muslim League proclaimed _____ for a Direct Action for getting Pakistan'

Which date is correct for the blank?

    (A) August 16, 1945

    (B) August 12, 1946

    (C) August 16, 1946

    (D) August 10, 1946

61. Who was the Chairman of the special committee to examine the Draft Indian Constitution?

    (A) B. R. Ambedkar

    (B) Patel

    (C) Nehru

    (D) Sir Alladi Krishnaswamy Iyer

62. Examine the following pairs in regard to the provisions and their sources and find out the mismatched.

    (A) President as the executive head — USA Constitution

    (B) Single citizenship — UK Constitution

    (C) Republic, Liberty, Equality, Fraternity — French Constitution

    (D) Concurrent list — Irish Constitution

63. Right to vote and to be elected in India is a

    (A) Fundamental Rights

    (B) Natural Rights

    (C) Constitutional Rights

    (D) Legal Rights

64. The ratio of width of the national flag of India to its length is

    (A) two to three

    (B) three to two

    (C) two to four

    (D) four to two

65. The mind of the founding fathers of the Constitution of India is contained in

    (A) Independence of Judiciary

    (B) Directive Principles of State Policy

    (C) Fundamental Rights

    (D) Preamble

66. Which word in Article 13 created major judicial complications?

    (A) Fundamental Rights

    (B) The State

    (C) Takes Away or abridges

    (D) Law

67. 'Right to Education' is secured in the Constitution by

    (A) 80th Amendment Act
    (B) 86th Amendment Act
    (C) Article 21 of the Constitution
    (D) Article 30 of the Constitution

68. 'Censure Motion' in the Parliament is related to

    (A) No confidence on the Cabinet
    (B) Lapse of the Goverment
    (C) Giving warning to a member
    (D) Resignation of the Goverment

69. Which one of the following is the largest committee of the Parliament?

    (A) Public Accounts Committee
    (B) Estimates Committee
    (C) The Committee on Public Undertakings
    (D) The Committee on Petitions

70. Local self-government is an exercise in

    (A) Direct Democracy
    (B) Grassroots Democracy
    (C) Democratic Decentralisation
    (D) Administrative Delegation

71. Wards Committee are provided by

    (A) Art 243 (S)
    (B) Art 243 (Q)
    (C) Art 243 (T)
    (D) Art 243 (R)

72. A Municipal Corporation is set up in a city with a population not less than

    (A) 1 lakh
    (B) 12 lakhs
    (C) 10 lakhs
    (D) 5 lakhs

73. There is no Panchayat in

    (A) Nagaland
    (B) Assam
    (C) Tripura
    (D) Kerala

74. At a joint sitting of Parliament a bill has to be passed

    (A) by a simple majority of all members of the two houses
    (B) by a two-thirds majority of all members of two houses
    (C) by a simple majority of members present and voting
    (D) by a two-thirds majority of members present and voting

75. Which one of the pairs is not correct?

    (A) Durand Line — India and Afghanistan
    (B) McMahon Line — India and China
    (C) Radcliff Line — India and Pakistan
    (D) Line of Control — India and Myanmar

76. 'Boycott' of British Education and British goods was adopted as a method of protest for the first time during

    (A) Non-Cooperation Movement
    (B) Swadeshi Movement
    (C) Anti-Partition Movement
    (D) Surat Split

77. Which one of the pairs is mismatched?

(A) Dadabhai Naoroji — Calcutta Congress, 1886

(B) Mahatma Gandhi — Belgaum Congress, 1924

(C) Jawaharlal Nehru — Ramgarh Congress, 1945

(D) Acharya Kriplani — Meerut Congress, 1946

78. The Ilbert Bill controversy was related to

(A) Imposition of restrictions on Indians about carrying arms.

(B) Imposition of restrictions on Indian Publications.

(C) Removal of disqualifications imposed on the Indian magistrates in regard to the trial of the Europeans.

(D) Removal of a duty on imported cotton cloth.

79. 'Doctrine of lapse' was a factor behind

(A) Sanyasi Revolt

(B) Faraizis Revolt

(C) The Revolt of 1857

(D) Bhil Rising

80. Kathakali dance form originated in

(A) Andhra Pradesh

(B) Orissa

(C) Kerala

(D) Tamil Nadu

81. Which one of the following pairs does not form part of the six systems of Indian Philosophy?

(A) Mimamsa and Vedanta

(B) Nyaya and Vaisheshika

(C) Lokayata and Kapalika

(D) Sankhya and Yoga

82. (i) Who wrote 'Indica' and (ii) which administration was depicted there?

Find out the correct match.

(A) (i) Megasthenese and (ii) Mauryan

(B) (i) Kautilya and (ii) Mauryan

(C) (i) Patanjali and (ii) Gupta

(D) (i) Kautilya and (ii) Gupta

83. In pre-Vedic Harappan religion which male God was worshipped as the principal deity?

(A) Sun

(B) Barun

(C) Krishna

(D) Shiva

84. Which one of the following is not properly matched?

(A) Amir Khusro — Laila Majnu

(B) Firdausi — Shah Namah

(C) Sant Tulsidas — Ramacharitmanas

(D) Badauni — Ain-e-Akbari

85. Which country in South America recognised Palestine as a sovereign state in 2018?

(A) Brazil

(B) Peru

(C) Colombia/Columbia

(D) Argentina

86. (i) What alternative fuel was used in the aviation sector in August 2018 and

(ii) between which sector?

(A) (i) Solar (ii) Between Dehradun and Delhi

(B) (i) Nuclear (ii) Between Chandigarh and Delhi

(C) (i) Biofuel (ii) Between Dehradun and Delhi

(D) (i) Biofuel (ii) Between Jaipur and Delhi

Please Turn Over

87. How many states in India will receive adequate water by the Lakhwar project?

    (A) 10

    (B) 8

    (C) 9

    (D) 6

88. Which country in the Asia-Pacific cancels Chinese projects in 2018 amid 'New Colonialism' Fear?

    (A) North Korea

    (B) Thailand

    (C) Indonesia

    (D) Malaysia

89. Harivansh Narayan Singh became in 2018

    (A) Supreme Court Chief Justice

    (B) Governor of Haryana

    (C) Chief of TRAI

    (D) Deputy Chairman of Rajya Sabha

90. Which country in the Asia-Pacific won maximum gold medals in Jakarta Asian Games, 2018?

    (A) China

    (B) Japan

    (C) South Korea

    (D) North Korea

91. India's total medals-tally at the 18th Asian Games was

    (A) 65

    (B) 69

    (C) 64

    (D) 70

92. World Vegetarian Day is observed on

    (A) October 1

    (B) October 2

    (C) October 5

    (D) October 9

93. United Nations Day is observed on

    (A) October 24

    (B) October 31

    (C) October 16

    (D) October 15

94. The first planet discovered with a telescope is

    (A) Mars

    (B) Uranus

    (C) Saturn

    (D) Jupiter

95. The Sun consists mostly of

    (A) Helium

    (B) Hydrogen

    (C) Nitrogen

    (D) Oxygen

96. Who discovered the rings of Saturn?

    (A) Galileo

    (B) Edmund Halley

    (C) Newton

    (D) Tycho Brahe

97. If the Earth had no satellite of its own (i.e. Moon), which of the following would not occur?

    (A) Neap tide

    (B) Ocean currents

    (C) Spring tide

    (D) All will not occur

98. The Earth rotates on its axis from

    (A) West to East

    (B) East to West

    (C) South to North

    (D) North to South

99. The Sun shines vertically on the Equator

    (A) throughout the year

    (B) four times a year

    (C) twice a year

    (D) once a year

100. Which of the following is the brightest star in our solar system?

    (A) Proxima Centauri

    (B) Canopus

    (C) Sirius

    (D) Arcturus

Space for Rough Work