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

2021

TEST BOOKLET

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

Full marks : 100

Answer ***all*** the questions.

Questions are of equal value.

TEST BOOKLET SERIES

B

Serial No. 09126 ..... ***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-Sheets 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. If more than one circle is encoded for a particular answer, it will be treated as a wrong answer.
6. ***There will be negative marking of $\frac{1}{3}$ mark 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.***

SE

1. A string vibrates according to the equation $y = 5\cos\frac{\pi x}{3}\sin 40\pi t$ where x and y are in cm and t in sec. The velocity of a particle at x = 1·5 cm when $t = \frac{9}{8}$ sec is

(A) 0
(B) 1·5 cm/s
(C) 2·5 cm/s
(D) 2·2 cm/s

2. A capacitor consists of two similar square aluminium plates, each 10 cm × 10 cm mounted parallel to each other with a separation of 1 cm. If the dielectric is air and a charge of 500 picoFarad is given to it, the difference of potential between the plates is

(A) 56·5 V
(B) 113 V
(C) 28·25 V
(D) 50 V

3. A 2·0 kg particle undergoes simple harmonic motion according to $x = 1{\cdot}5\sin\left(\frac{\pi t}{4} + \frac{\pi}{6}\right)$ (in SI unit). The total mechanical energy of the particle is

(A) 1 J
(B) 1·39 J
(C) 1·5 J
(D) 2·25 J

4. A ray of light falls normally on a refracting face of a prism. If the ray just fails to emerge from the prism, with refractive index of the material of the prism (μ) equal to 3/2, then the angle of prism is

(A) $\sin^{-1}(2/3)$
(B) $\sin^{-1}(1/2)$
(C) $\sin^{-1}(1/3)$
(D) $\sin^{-1}(1/4)$

5. In a concave mirror an object is placed at a distance x from the focus and the real image is formed at a distance y from the focus. The focal length of the mirror is

(A) $x + y$
(B) $x \sim y$
(C) $\sqrt{xy}$
(D) None of the above

6. Rain falling vertically hits the windscreen of a moving bus at an angle of 30° with the horizontal. If the speed of the car is 40 km/hr on a horizontal road, the actual velocity of rain drops through air in km/hr is

(A) $20/\sqrt{3}$ km/hr
(B) $40/\sqrt{3}$ km/hr
(C) $40\sqrt{3}$ km/hr
(D) $20\sqrt{3}$ km/hr

7. A magnetic field of 2×10^{-2} T acts at right angles to a coil of area 100 cm^2 with 50 turns. The coil is removed from the field in 0·1 second. The average *emf* produced in the coil is

(A) 0·1 V
(B) 0·01 V
(C) 1 V
(D) 2 V

8. One ball of iron and another ball of copper immersed in a liquid experience equal upthrust. Both the balls have equal

(A) masses
(B) weights in air
(C) volumes
(D) densities

9. The universal property among all substances is

(A) paramagnetism
(B) diamagnetism
(C) non-magnetism
(D) ferromagnetism

10. The penetrating power of α, β and γ radiation in decreasing order is

(A) $\beta < \gamma < \alpha$

(B) $\alpha > \beta > \gamma$

(C) $\gamma > \beta > \alpha$

(D) $\gamma < \alpha < \beta$

11. The amount of heat energy required to raise the temperature of 2 moles of He gas from 0°C to 100°C at constant volume is

(A) 300 R

(B) 500 R

(C) 250 R

(D) 150 R

12. The elongation of a steel bar with Young's modulus 2×10^{11} N/m^2 on 1m long and 1·5 cm^2 cross-sectional area when subjected to a pull of $1{\cdot}5\times10^4$ N is

(A) $0{\cdot}25\times10^{-2}$ m

(B) $0{\cdot}5\times10^{-2}$ m

(C) $0{\cdot}5\times10^{-3}$ m

(D) $0{\cdot}2\times10^{-2}$ m

13. A particle slides without friction from the highest point of a vertical circle of radius r along a chord. If g be the acceleration due to gravity and that the particle starts from rest, then the time of descent is

(A) $t = \sqrt{\frac{r}{2g}}$

(B) $t = 2\sqrt{\frac{r}{g}}$

(C) $t = \frac{1}{2}\sqrt{\frac{r}{g}}$

(D) $t = \sqrt{\frac{2r}{g}}$

14. If g at earth's surface be 980 cm/s^2 and earth's radius be 6400 km, the value of g in a mine 4 kilometer deep is

(A) 980·6 cm/s^2

(B) 979·4 cm/s^2

(C) 972·2 cm/s^2

(D) 0

15. The resistance of a wire is 10 Ω. Its length is increased by 10% by stretching. The new resistance is

(A) 1·2 Ω

(B) 13 Ω

(C) 11 Ω

(D) 12 Ω

16. Half-life of radium is 1600 years. 8 gm of radium will disintegrate to 1 gm in

(A) 4801 years

(B) 2400 years

(C) 2085 years

(D) 3091 years

17. 1A of current flows through a copper wire of cross-sectional area 2 mm^2. If the number of free electrons in 1 cc of copper be $8{\cdot}5\times10^{22}$, then the drift velocity of electrons is

(A) $1{\cdot}8\times10^{-5}$ m/sec

(B) $3{\cdot}6\times10^{-4}$ m/sec

(C) $3{\cdot}6\times10^{-5}$ m/sec

(D) $3{\cdot}6\times10^{-5}$ cm/sec

18. Light is incident from glass (refractive index 3/2) to water (refractive index 4/3). The range of angle of deviation for refracted light is

(A) $0^\circ \rightarrow 45^\circ$

(B) $0^\circ \rightarrow \sin^{-1}\left(\frac{8}{9}\right)$

(C) $0^\circ \rightarrow 60^\circ$

(D) $0^\circ \rightarrow \cos^{-1}\left(\frac{8}{9}\right)$

19. The length of an open organ pipe is twice the length of a closed organ pipe. The fundamental frequency of the open pipe is 100 Hz. The frequency of the third harmonic of the closed pipe is

(A) 150 Hz

(B) 600 Hz

(C) 300 Hz

(D) 450 Hz

20. The vernier of a circular scale is divided into 30 divisions which coincide with 29 main scale division. Each main scale division is 30'. The least count of the instrument is

(A) 1'

(B) 10'

(C) 30"

(D) 3'

21. The density of a liquid at temperature t° (f_t) and that at temperature 0° (f_0) are related by the equation

(A) $f_t = f_0 (1 + \gamma_a t)$; γ_a = Coefficient of apparent expansion of the liquid.

(B) $f_t = f_0 (1 - \gamma_a t)$; γ_a = Coefficient of apparent expansion of the liquid.

(C) $f_t = f_0 (1 + \gamma_r t)$; γ_r = Coefficient of real expansion of the liquid.

(D) $f_t = f_0 (1 - \gamma_r t)$; γ_r = Coefficient of real expansion of the liquid.

22. Identify the correct statement.

(A) Beta rays are same as cathode rays.

(B) Gamma rays are high energy neutrons.

(C) Alpha particles are singly ionized helium atoms.

(D) Protons and neutrons have exactly the same mass.

23. An artificial satellite revolves round the earth in a circular orbit of radius 7000 km. If its period of revolution is 2 hours, then the centripetal acceleration is

(A) 300 cm/s^2

(B) 490.0 cm/s^2

(C) 472.6 cm/s^2

(D) 532.5 cm/s^2

24. Two tuning forks *A* and *B* produce 6 beats per second. The frequency of *A* is 300 Hz. A little wax is placed on *B*, and then sounded simultaneously, 3 beats are heard. The frequency of *B* is

(A) 294 Hz

(B) 306 Hz

(C) 303 Hz

(D) 297 Hz

25. The radius of curvature of a convex mirror is 60 cm. When an object is placed at *A*, its image is formed at *B*. If the size of image is half as that of the object, the distance between *A* and *B* is

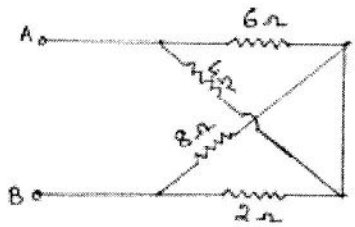
(A) 120 cm

(B) 45 cm

(C) 135 cm

(D) 15 cm

26. The equivalent resistance of the circuit given below between the terminals *A* and *B* is



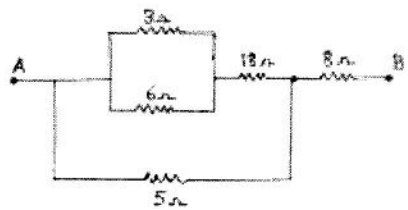
(A) 2 Ω

(B) 2·5 Ω

(C) 5 Ω

(D) 4 Ω

27. The total current in the circuit below when a potential difference of 60 V is applied between the terminals *A* and *B* is



(A) 1A

(B) 5A

(C) 2·5A

(D) 4A

28. The maximum intensity in Young's double slit experiment is I_0. The intensity at a point on the screen, where the phase difference between the two interfering beams is $\pi/3$, is

(A) $\frac{3}{4}I_0$

(B) $\frac{1}{4}I_0$

(C) $\frac{1}{2}I_0$

(D) $\frac{1}{3}I_0$

29. The most efficient form of damping employed in electrical instruments is

(A) air friction

(B) air and fluid friction

(C) fluid friction

(D) eddy currents

30. An electron beam has an aperture of 1·0 mm^2. A total of $6·0 \times 10^{16}$ electrons pass through any perpendicular cross-section per second. The current flow is

(A) 1 A

(B) $9·6 \times 10^{-3}$ A

(C) 9·6 A

(D) 0·096 A

31. A force $F = (2 + x)$ acts on a particle in x-direction where F is in Newton and x is in metre. The work done by this force during a displacement from $x = 1$m to $x = 2$m is

(A) 3·5 J

(B) 3 J

(C) 6 J

(D) 0

32. Two balls of masses m and $2m$ moving in opposite directions collide head on elastically with velocities v and $2v$. The velocities of the balls after collision are

(A) $3v, 0$

(B) $v, +v$

(C) $2v, 3v$

(D) $+2v, v$

33. An ideal monoatomic gas at 300 K expands adiabatically to twice its volume. Assuming $\gamma = 5/3$, the final temperature of the gas becomes

(A) 100 K

(B) 200 K

(C) 175 K

(D) 189 K

34. A car rounds a curve of 30 m radius on a level road. Given that the coefficient of friction between the tyres and road is 0·3, the maximum speed of the car will be

(A) 9·4 m/s

(B) 17·1 m/s

(C) 12·2 m/s

(D) 30·5 m/s

35. The angle of a prism is 60° and the refractive index of its material is $\sqrt{2}$. The angle of minimum deviation is

(A) 33°

(B) 45°

(C) 30°

(D) 60°

36. Density of ice is 900 kg/m^3. A piece of ice is floating in water of density 1000 kg/m^3. The fraction of volume of the piece of ice outside the water is

(A) 0·01

(B) 0·1

(C) 0·9

(D) 0·2

37. One Pascal is equal to

(A) 10 N/m^2

(B) 10 dyne/cm^2

(C) 100 dyne/cm^2

(D) 0·1 dyne/cm^2

38. Identify the correct statement.

(A) A good reflector is a good radiator of radiant heat.

(B) A poor absorber is a poor reflector of radiant heat.

(C) A good absorber is a poor reflector of radiant heat.

(D) A poor absorber is a good radiator of radiant heat.

39. During a nuclear fusion reaction

(A) a heavy nucleus breaks into two fragments by itself.

(B) two light nuclei combine to give a heavier nucleus and possibly other products.

(C) a light nucleus bombarded by thermal neutrons breaks up.

(D) a heavy nucleus bombarded by thermal neutrons breaks up.

40. The kinetic energy of a particle is increased by 50%. The percentage change in linear momentum is

(A) 12·5%

(B) 31·8%

(C) 22·5%

(D) 11·3%

41. The distance of separation between two electrons in vacuum for which the electric force between them is equal to the gravitational force on one of them at the earth's surface is

(A) 5·08 m

(B) 50 m

(C) 0·508 m

(D) 1 m

42. A series circuit consisting of 0·01 H inductance and 10 ohm resistor is connected across an alternating *e.m.f.* of 100 V (*r.m.s*) at 50 Hz. The voltage across the inductance is

(A) 15 V

(B) 20 V

(C) 29·97 V

(D) 5 V

43. The peak value of current through a capacitor of capacitance 1·0 micro Farad when connected to a.c. supply of 110 V (*r.m.s.*) – 50 Hz is

(A) 0·345 A

(B) 0·034 A

(C) 0·49 A

(D) 0·049 A

44. The unit of electric flux is

(A) $V - m^3$

(B) $V - m$

(C) $N - m^2/C^2$

(D) V/m

45. An object is placed at a distance of 30 cm from a concave mirror of focal length 20 cm. The image distance and magnification is given by

(A) –12 cm, –2/5

(B) +12 cm, 2/5

(C) –60 cm, 2

(D) –60 cm, –2

46. A solid metallic sphere of mass 276·5 gm has a cavity inside it. When completely immersed in water, it weighs 234·0 gm. If the density of the metal is 7·9 gm/cc, the volume of the cavity is

(A) 5·2 cc

(B) 5·4 cc

(C) 7·0 cc

(D) 7·5 cc

47. If μ_0 be the permeability of free space then $\frac{\mu_0}{4\pi}$ is

(A) 10^{-7} T – A/m

(B) 10^{7} T – m/A

(C) 10^{-7} T – m/A

(D) 10^{-7} T/m – A

48. A man, 180 cm tall and with eyes 10 cm below the top of his head stands infront of a plane mirror kept at a distance of 1 m from him. The minimum length of the plane mirror needed so that the man can see his entire image is

(A) 90 cm

(B) 45 cm

(C) 180 cm

(D) 60 cm

49. The work function of Zinc is 3·6 eV. The threshold frequency for Zinc is 9×10^{14} Hz. Planck's constant is given by

(A) $6{\cdot}4 \times 10^{-32}$ Joule-sec

(B) $6{\cdot}4 \times 10^{-30}$ Joule-sec

(C) $6{\cdot}4 \times 10^{-34}$ Joule-sec

(D) $6{\cdot}4 \times 10^{-27}$ Joule-sec

50. The electrical circuit used to get smooth dc output from a rectifier circuit is called

(A) Filter

(B) Logic gates

(C) Oscillator

(D) Amplifier

51. If the length of a rectangle is increased by 20% and the breadth is reduced by 20%, what will be effect on its area?

(A) 4% increase

(B) 6% increase

(C) 4% decrease

(D) None of the above

52. P and Q can do a work in 12 days, Q and R in 15 days, R and P in 20 days. Find in what time P will do it alone?

(A) 30 days

(B) 20 days

(C) 24 days

(D) 60 days

53. P, Q and R start a business. P invests 3 times as much as Q invests and Q invests $\frac{2}{3}$ of what R invests. If the total profit is Rs. 1,320, then share of P will be

(A) Rs. 760

(B) Rs. 720

(C) Rs. 600

(D) Rs. 660

54. A bag contains an equal number of one rupee, 50 paise and 25 paise coins respectively. If the total value is Rs. 35, how many coins of each type are there?

(A) 70

(B) 50

(C) 30

(D) 20

55. By selling an article for Rs. 450, a man loses 25%. At what price he will sell in order to gain 25%?

(A) Rs. 600

(B) Rs. 650

(C) Rs. 700

(D) Rs. 750

56. HCF and LCM of two numbers are 16 and 240 respectively. If one of the number is 48, the other number is

(A) 32

(B) 64

(C) 80

(D) 160

57. In what time Rs. 2,400 will amount to Rs. 2,646 at 5% p.a. compounded annually?

(A) 2 years

(B) 3 years

(C) 4 years

(D) 5 years

58. The speed of a boat in still water is 15 km./hour and the rate of current is 13 km./hour. The distance travelled downstream in 15 minutes is

(A) 5 km.

(B) 6 km.

(C) 7 km.

(D) 8 km.

59. A shopkeeper offers 15% discount on all toys. He offers a further discount of 4% on the reduced price to those customers who pay cash. What does a customer have to pay in cash for a toy of Rs. 200?

(A) Rs. 161·20
(B) Rs. 162·20
(C) Rs. 163·20
(D) Rs. 164·20

60. A train passes a platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km./hour, then the length of the platform is

(A) 220 meters
(B) 230 meters
(C) 240 meters
(D) 250 meters

61. A water tap can fill a cistern in 20 minutes and another can fill in 30 minutes. If both are opened simultaneously, the cistern will be full in

(A) 12 minutes
(B) 10 minutes
(C) 25 minutes
(D) 60 minutes

62. A man purchases two watches at Rs. 560. He sells one at 15% profit and other at 10% loss. Then he neither gains nor loses. The cost price of each watch is

(A) Rs. 224, Rs. 336
(B) Rs. 220, Rs. 340
(C) Rs. 234, Rs. 326
(D) Rs. 244, Rs. 316

63. At what rate of interest per annum will a sum double itself in 8 years?

(A) $12\frac{1}{2}\%$
(B) $17\frac{1}{2}\%$
(C) $22\frac{1}{2}\%$
(D) $27\frac{1}{2}\%$

64. At what time between 3 and 4 O'clock, the hands of a clock coincide?

(A) $16\frac{2}{11}$ minutes past 3
(B) $16\frac{3}{11}$ minutes past 3
(C) $16\frac{4}{11}$ minutes past 3
(D) $16\frac{5}{11}$ minutes past 3

65. If 90% of A = 30% of B and B = X% of A, then the value of X is

(A) 600
(B) 800
(C) 900
(D) 300

66. If 10% of an electricity bill is deducted, Rs. 45 is still to be paid. How much was the bill?

(A) Rs. 55
(B) Rs. 50
(C) Rs. 45
(D) Rs. 40

67. A train crosses 210 and 122 metre long tunnels in 25 and 17 seconds respectively. The speed of the train is

(A) 10 m/sec.
(B) 11 m/sec.
(C) 12 m/sec.
(D) 13 m/sec.

68. The ratio of two numbers is 15 : 11. If their HCF is 13, then the numbers are

(A) 75, 55
(B) 45, 22
(C) 104, 44
(D) 195, 143

69. If a car travels a distance of 240 km. in 6 hours, partly at a speed of 60 km./hour and partly at 30 km./hour, then the time for which it travels at 60 km./hour is

(A) 1 hour
(B) 2 hours
(C) 3 hours
(D) 4 hours

70. If the cost price of 25 articles is equal to the selling price of 20 articles, then the percentage of gain is

(A) 20
(B) 25
(C) 30
(D) 45

71. If Rs. 85 amounts to Rs. 95 in 3 years by simple interest, what Rs. 102 will amount in 5 years at the same rate of interest?

(A) Rs. 112
(B) Rs. 122
(C) Rs. 132
(D) Rs. 142

72. If the average of a, b, c is M and $ab + bc = -ca$, the average of a^2, b^2, c^2 is

(A) M^2
(B) $3M^2$
(C) $9M^2$
(D) $27M^2$

73. A man can swim downstream at 8 km./hour and upstream at 2 km./hour. The speed of the current is

(A) 3 km./hour
(B) 4 km./hour
(C) 5 km./hour
(D) 6 km./hour

74. A man is walking at a speed of 10 km./hour. After every kilometre, he takes rest for 5 minutes. How much time will be taken to cover a distance of 5 km.?

(A) 45 minutes
(B) 50 minutes
(C) 55 minutes
(D) 1 hour

75. If the difference between the [illegible] interest and the simple interest on a certain [illegible] 15% per annum for 3 years is Rs. 283·50, the [illegible] is

(A) Rs. 3,500
(B) Rs. 4,000
(C) Rs. 4,500
(D) Rs. 5,000

76. Which two of the following banks have been recently merged with Punjab National Bank (PNB)?

(A) Allahabad Bank and Oriental bank of Commerce
(B) United Bank of India and Oriental Bank of Commerce
(C) Union Bank of India and Allahabad Bank
(D) United Bank of India and Union Bank of India

77. Match the following:

List I	*List II*
(i) Supreme Court	(a) Article 323(A)
(ii) Scheduled Tribes	(b) 85th Amendment Act
(iii) Right to Education	(c) Article 124
(iv) Martial Law	(d) Article 35

Which is the correct code?

(A) (i)—(c)
(B) (ii)—(a)
(C) (iii)—(b)
(D) (iv)—(d)

78. The first railway train steamed off in India in the year

(A) 1852
(B) 1850
(C) 1856
(D) 1853

79. Blockchain is a

(A) train of containers.
(B) computer hardware.
(C) digital ledger of transaction.
(D) warehouse.

80. Who wrote the following book?
"Arms and the Man"
(A) Tennyson
(B) Shakespeare
(C) G. B. Shaw
(D) P. B. Shelley

81. The UNDP ranks countries on the basis of
(A) Per Capita Income/Gross National Income
(B) GDP
(C) Human Development
(D) Integration into the global financial system

82. Match the following lists of conspiracy cases (*List-I*) and persons associated with them (*List-II*):

List I (*Conspiracy cases*)	*List II* (*Persons associated with them*)
(a) Alipore case	(i) Aurobindo Ghosh
(b) Kakori case	(ii) Ashfaquallah Khan
(c) Lahore case	(iii) Raj Guru
(d) Kanpur case	(iv) Nalini Gupta

	(a)	(b)	(c)	(d)
(A)	(i)	(ii)	(iii)	(iv)
(B)	(ii)	(i)	(iii)	(iv)
(C)	(iii)	(iv)	(i)	(ii)
(D)	(iv)	(i)	(ii)	(iii)

83. Find out the mismatched in the following pairs:
(A) Fa-Hien—Chandragupta
(B) Battle of Panipath—Ahmed Shah Abdali
(C) Aurangzeb—Satnami Revolt
(D) Charter Act of 1853—To regulate Company's affairs

84. Which one is green manure/biofertilizer?
(A) Sesbania
(B) Rice
(C) Oat
(D) Maize

85. Who is the first recipient of Dhyanchand Lifetime Achievement Award?
(A) Sachin Tendulkar
(B) Aparna Ghosh
(C) Sylvanus Dung Dung
(D) Sathi Geetha

86. Vasco-da-Gama found a new route to India and reached the port of
(A) Mangalore
(B) Cochin
(C) Calicut
(D) Hooghly

87. Young Bengal Movement was started by
(A) Radha Kanto Deva
(B) Raja Rammohan Ray
(C) Keshab Chandra Sen
(D) Derozio

88. When was NATO set up?
(A) 1945
(B) 1946
(C) 1948
(D) 1949

89. Which Indian ruler belied English hopes in the Battle of Buxar?
(A) Mir Quasim
(B) Peshwa Balaji Baji Rao
(C) Shuja-ud-Daula
(D) Shah Alam

90. According to the Constitution of India the President has veto power in
(A) three cases
(B) four cases
(C) two cases
(D) one case

91. Sitara Devi was associated with
(A) Bharatanatyam
(B) Odissi
(C) Kathak Dance
(D) Manipuri Dance

92. Who among the following achieved Booker Prize for the book The White Tiger?

(A) Arundhati Roy
(B) Aravind Adiga
(C) Vikram Seth
(D) Kiran Desai

93. In which part of the Constitution of India administration of the Tribal Areas in some States of the North-East is provided?

(A) Article 244
(B) Article 245
(C) Fifth Schedule
(D) Sixth Schedule

94. Which of the following vitamins are water soluble?

1. Vitamin A
2. Vitamin C
3. Vitamin B
4. Vitamin K

Codes :

(A) 1 and 3
(B) 1 and 4
(C) 2 and 3
(D) 2 and 4

95. The first indigenous silent feature film produced in India was

(A) Alam Ara
(B) Pundalik
(C) Bhakta Prahlad
(D) Raja Harishchandra

96. Deucha Panchami in Birbhum district of West Bengal is famous for

(A) Coal mining
(B) Petroleum mining
(C) Sand mining
(D) MSME hub

97. Netaji Subhas Chandra Bose was born on 23rd January, 1897 in

(A) Kolkata
(B) Bhubaneswar
(C) Puri
(D) Cuttack

98. Who among the following attended the two Round Table Conferences?

(A) Sarojini Naidu
(B) Jayakar
(C) Dr. B. R. Ambedkar
(D) Agha Khan

99. Who wrote the famous book 'India Divided'?

(A) Dadabhai Naoroji
(B) Gandhiji
(C) J. L. Nehru
(D) Dr. Rajendra Prasad

100. Police System in India was first set up by

(A) Robert Clive
(B) Lord Cornwallis
(C) Lord Mayo
(D) Lord Northbrooke