

PART - I

Time - 90 minutes

Total Marks - 120

Each question in this section carries one mark. Negative marks of 0.25 will be deducted for every wrong answer.

1. Which organ of fish act as rudder ?
(A) Tail Fin (B) Heart
(C) Swim Bladder (D) Lateral Line Sense Organ
2. Which sports playing area is 2.7 metres by 1.5 metres ?
(A) Billiard (B) Table Tennis (C) Lawn Tennis (D) Cricket
3. Choose the best response to complete the given sentence :
At Wimbledon, Andre Agassi is again the _____ of attention.
(A) celebration (B) centre (C) cause (D) front
4. Scientist Aryabhatta was in which dynasty ?
(A) Maurya (B) Kushan (C) Satvahana (D) Gupta
5. Wind speed is measured by an instrument
(A) Barometer (B) Anemometer
(C) Sextant (D) Hygrometer
6. The number of members nominated to the Rajya Sabha by President
(A) 2 (B) 10 (C) 15 (D) 12
7. Two tangents PA and PB are drawn from the external point P of a circle with centre at O.
If angle APO = 30° , angle AOB =
(A) 180° (B) 150° (C) 120° (D) 60°
8. L.C.M. of x^2yz , xy^2z and xyz^2 is -
(A) xyz (B) $x^2y^2z^2$ (C) x^2yz (D) xyz^2
9. Sea water is salty in taste due to presence of
(A) CaCl_2 (B) MgCl_2 (C) NaCl (D) AlCl_3
10. Complete the sentence below with the most appropriate word from the alternatives given :
Teacher is to pupil as master is to _____.
(A) minor (B) slave (C) attendant (D) authority



11. Most hardest part in teeth is
(A) Dentine (B) Bone (C) Enamel (D) Bone marrow
12. 5% more is gained by selling a cow for ₹ 1,010 than by selling it for ₹ 1,000. Find the cost of the cow.
(A) 100 (B) 150 (C) 200 (D) 250
13. Choose the correct alternative :
"These mangoes are _____ ripe."
(A) more (B) almost (C) most (D) almostly
14. Complete the simile :
"As brittle as _____."
(A) metal (B) mirror (C) glass (D) iron
15. Three angles of a quadrilateral are 100° , 90° and 92° respectively. Find the value of fourth angle.
(A) 50° (B) 60° (C) 78° (D) 80°
16. It takes four hours for a 300 km journey, if 60 km is done by train and the rest by car. It takes 10 minutes more, if 100 km is done by train and the rest by car. The ratio of the speed of the car to that of the train is
(A) 2 : 3 (B) 3 : 2 (C) 3 : 4 (D) 4 : 3
17. It all happened suddenly. The opposite of 'suddenly' is
(A) abruptly (B) quietly (C) momentarily (D) gradually
18. The full form of ICAR is
(A) Indian Council of Agricultural Research
(B) Indian Council of Atomic Research
(C) International Civil Aviation Organization
(D) International Committee of the Red Cross
19. Two trains are moving in the same direction at 84.5 kmph and 48.5 kmph. The faster train crosses a man sitting in slower train in 15 seconds. The length of the faster train is
(A) 150 m (B) 120 m (C) 115 m (D) 100 m
20. A wire in the form of circle of radius 42 cm is cut and bent in the form of a square. The length of the side of the square thus formed is
(A) 21 cm (B) 66 cm (C) 33 cm (D) 132 cm

21. An exclamation is given. Choose the most appropriate statement form of the sentence from the alternatives given and select your choice :
What a disappointment !
- (A) It is a disappointment. (B) I am very disappointed.
(C) Nothing could be more disappointing. (D) It is a great disappointment.
22. He and I am well. Correct the error from the following alternatives :
- (A) is (B) are (C) was (D) am
23. What is the amount of pH in acid rain ?
- (A) 7 (B) 5.5 – 6.9 (C) < 5.5 (D) > 7
24. Many people died for Cholera. Choose the correct alternative to remove error.
- (A) in (B) of (C) with (D) to
25. The sceneries of Kashmir are very charming. Rewrite the sentence correcting errors. Select the correct option.
- (A) The scenery of Kashmir is very charming.
(B) The sceneries of Kashmir is very charming.
(C) The scenery of Kashmir are very charming.
(D) The scenery of Kashmir's is very charming.
26. Lokesh's school bus is facing North when it reaches his school. After starting from Lokesh's house, it turns right twice and then left before reaching the school. What direction was the bus facing when it left but stop in front of Lokesh's house ?
- (A) North (B) South (C) East (D) West
27. Who was Susrut ?
- (A) Artist (B) Philosopher (C) Doctor (D) Novelist
28. The boys of a reputed institution have "come off with flying colours" in Higher Secondary Examination. Here, the quoted idiom means
- (A) to achieve distinction (B) to decorate oneself with colours
(C) to come to greet someone (D) to be in a jovial mood
29. The average weight of a class of 45 students is 35 kg. If the weight of the teacher is included, the average weight increases by 500 gm. The weight of the teacher is (in kg.)
- (A) 35.5 (B) 45.5 (C) 46 (D) 58

30. Choose the correct option of passive form :

"She makes a doll."

(A) She made a doll.

(B) A doll is made by she.

(C) A doll is made by her.

(D) A doll was made by her.

31. In an election 75% voters have polled vote. Out of which 2% are cancelled. Getting 75% votes of valid vote who selected got 9261 votes. No. of voters in the centre was

(A) 16400

(B) 16800

(C) 16200

(D) 16000

32. Choose from the given alternatives (A), (B), (C) and (D) the word that may be correctly used to fill up the blank space in the following sentence :

The _____ of the Head of the state created political unrest and instability.

(A) disuse

(B) disease

(C) decease

(D) ~~diffuse~~

33. The time difference between I.S.T and G.M.T is

(A) 5 hrs 30 minutes

(B) 5 hrs

(C) 5 hrs 45 minutes

(D) 6 hrs

34. Find the correctly spelt word :

(A) theseruss

(B) thesaruss

(C) thesarus

(D) thesaurus

35. Choose the sentence which is correct :

(A) Put down your name on this page

(B) Put in your name on this page

(C) Put out your name on this page

(D) Put up your name on this page

36. Choose the antonym of the quoted word :

She can't attend office as she's 'unwell'.

(A) indisposed

(B) ~~unhealthy~~

(C) fit

(D) ~~ailing~~

37. 'Pan' or betel leaves are one of the important commercial produce of this district :

(A) 24 Parganas

(B) Howrah

(C) Medinipur

(D) Purulia

38. If in a certain language, Bengaluru is coded CFOHBMVSV, how is Kolkata coded in that code ?

(A) ATAKLOK

(B) JNKJZSZ

(C) LPMLBUB

(D) OKKLTA

39. The painting named 'The Last Supper' was the work of
 (A) Leonardo-da-Vinci (B) Michelangelo
 (C) Raphael (D) Renoir
40. Tick the correct answer :
 He enjoyed during the holidays.
 (A) He enjoyed itself during the holidays.
 (B) He enjoyed oneself during the holidays.
 (C) He enjoyed himself during the holidays.
 (D) None of the alternatives
41. Fill in the blank with right preposition :
 The sacred portals _____ Kedarnath will reopen on April 24th after their winter-time closure.
 (A) in (B) from (C) of (D) inside
42. Choose the correct option :
 "Sheena, with all her cousins, _____ gone for a movie."
 (A) have (B) has (C) have been (D) has been
43. The difference of two acute angles in a right angled triangle is $2\pi/5$. The value of the smallest angle is
 (A) 15° (B) 10° (C) 9° (D) 6°
44. Terracing is a process of
 (A) Forest conservation (B) Soil conservation
 (C) Water conservation (D) Wildlife conservation
45. The abstract noun of 'decent' is
 (A) decency (B) decence (C) decencess (D) dence
46. Choose the correct alternative :
 (A) For sale, table, property of a writer with carved legs
 (B) For sale, table of a writer, property with carved legs
 (C) For sale, carved legs table, property of a writer
 (D) For sale, table with carved legs, property of a writer
47. Pick out the correct meaning of the following Idiom :
 To keep one's head.
 (A) To be logical. (B) To remain cool
 (C) To be very clever. (D) To impress upon a man.

48. 'Jim Corbett National Park' is in the state of
 (A) Uttarakhand (B) Jammu & Kashmir
 (C) Madhya Pradesh (D) Uttar Pradesh
49. Fill in the blank with correct alternative.
 The poor have no enmity _____ each other.
 (A) for (B) against (C) with (D) to
50. A profit of 12% is made when a mobile phone is sold at ₹ P and there is 4% loss when the phone is sold at ₹ Q. Then Q : P would be
 (A) 1 : 1 (B) 4 : 5 (C) 1 : 3 (D) 6 : 7
51. Choose the correct alternative :
 Every man should be given his _____.
 (A) dew (B) due (C) do (D) deu
52. The first Field Marshal of the Armed Forces of India was
 (A) Gen. Rajendra Singh (B) S. H. F. J. Manekshaw
 (C) Gen. A. S. Vaidya (D) Gen. K. Sundarji
53. Present Governor of the Reserve Bank of India is
 (A) Dr. Raghuram Rajan (B) Dr. Subba Rao
 (C) Shree Dr. Urjit Patel (D) Shree Montek Singh Ahluwalia
54. Choose the correct option :
 "I shall stand by you _____ thick and thin."
 (A) in (B) with (C) through (D) about
55. Choose the antonym of the quoted ' ' word :
 He is a 'seasoned' traveller.
 (A) unaccustomed (B) adept (C) veteran (D) experienced
56. The sun is overhead at the tropic of cancer on
 (A) 21st March (B) 21st June (C) 23rd September (D) 22nd December
57. A number series is given below with one term missing. Choose the correct alternative that will continue the same pattern and fill in the blank space.
 0, 6, 12, 24, 36, 54, ?,
 (A) 60 (B) 78 (C) 66 (D) 72
58. The Author of the book 'Saheb-Bibi-Gulam' is
 (A) Ashapurna Devi (B) Bimal Mitra
 (C) Bimal Kar (D) Samresh Basu

59. If $\sin^2 40^\circ + \sin^2 \theta = 1$, then find the value of θ .
 (A) 55° (B) 40° (C) 50° (D) 0°
60. In a food-chain, tiger is a
 (A) primary consumer (B) primary producer
 (C) secondary consumer (D) tertiary consumer
61. Choose the correct synonym of the quoted word :
 No one was listening to his tale of 'woe'.
 (A) Mirth (B) Smile (C) Happiness (D) Satisfaction
62. There are four parts of a sentence (P, Q, R, S) put in jumbled order. Put them in right order to form a meaningful sentence. Select the correct response.
 P = Your proposal
 Q = is admirable
 R = that the money should be used
 S = to build a nursery school.
 (A) PRSQ (B) RSQP (C) PSRQ (D) PSQR
63. Read the sentence and choose the most suitable of the choices given below :
 He swagger around the stage in a black jumpsuit.
 Here 'swagger' means to
 (A) accompany someone (B) travel on foot
 (C) walk with an air of superiority (D) tread thoughtlessly
64. Power alcohol is
 (A) 95.5% alcohol
 (B) 100% alcohol
 (C) a mixture of ethanol and methanol
 (D) a mixture of ethanol and petrol in equal volumes + benzene
65. Find the rightly spelt word from the following ones :
 (A) Honorary (B) Honourary (C) Honourery (D) Honorery
66. Fill in the blank with correct alternative :
 You must reap what you have _____.
 (A) sew (B) sow (C) sown (D) will sow
67. There are four parts of a sentence (P, Q, R, S) put in jumbled order. Put them in right order to form a meaningful sentence. Select the correct response from the options given.
 P - have left unimpeachable testimony that
 Q - and could not possibly live without it
 R - three of the greatest teachers of the world Buddha, Jesus and Muhammad
 S - that they found illumination through prayer
 (A) RQPS (B) SPQR (C) PSRQ (D) RPSQ

68. In the first 15 overs of a one-day cricket match, the run rate was only 6.2. To reach the target of 303 runs in the remaining 35 overs, the run rate should be
 (A) 14.43 (B) 6.2 (C) 6 (D) 5.73
69. Which of the following is not correctly matched ?
 (A) Cactus – Mucilage
 (B) Rohu fish – Lateral line sense organ
 (C) Sundri tree – Leaf is modified into spine
 (D) Pigeon – Pneumatic bone
70. Which is the different in the group from other – Pather Panchali, Agantuk, Meghe Dhaka Tara, Mahanagar ?
 (A) Agantuk (B) Meghe Dhaka Tara
 (C) Mahanagar (D) Pather Panchali
71. A person bought a house taking loan ₹ 8,00,000 at yearly 5% simple interest. To pay the loan with interest he rent the house at monthly ₹ 10,000. He will repay the loan after
 (A) 12 yrs. (B) 10 yrs. (C) 8 yrs. (D) 20 yrs.
72. A 700 gm dry fruit gift pack costs ₹ 144. It contains some cashew nut and the rest are raisin. If cashew nut costs ₹ 192 per kg and the raisin ₹ 224 per kg, the quantity of the raisin in the box is
 (A) 300 gm (B) 400 gm (C) 200 gm (D) 350 gm
73. Metal presents in chlorophyll is
 (A) Manganese (B) Calcium (C) Magnesium (D) Molybdenum
74. The “Guardian of the Indian Constitution” is
 (A) Constituent Assembly (B) Central Ministry
 (C) Bureaucracy (D) Supreme Court
75. If TOM = 48 and DICK = 27, what is HARRY equal to ?
 (A) 50 (B) 80 (C) 60 (D) 70
76. I do not see eye to eye with her in this matter. Here ‘see eye to eye’ means :
 (A) argue (B) oppose (C) agree (D) adjust
77. Gour is a famous Indian animal. What is its type ?
 (A) Wild Buffalo (B) Wild Cow (C) Indian Bison (D) Wild Ox
78. What will be the interest of ₹ 750 for 146 days at the rate of $3\frac{1}{2}\%$ simple interest annually ?
 (A) ₹ 10.50 (B) ₹ 11.50 (C) ₹ 12.50 (D) ₹ 13.50

79. If goods be purchased for ₹ 450, and one-third be sold at a loss of 10% then find the gain percent should the remainder be sold so as to gain 20% on the whole transaction.
 (A) 35% (B) 30% (C) 25% (D) 20%
80. Sachin Tendulkar is greater than most other cricketers.
 Rewrite the sentence using superlative degree of the adjective. Select the correct option.
 (A) Sachin Tendulkar is the greatest cricketer.
 (B) Sachin Tendulkar is one of the greatest cricketers.
 (C) No other cricketer is as great as Sachin Tendulkar.
 (D) Sachin is greater than any other cricketer.
81. The main commercial fibre crop of India is
 (A) flex (B) jute (C) mesta (D) cotton
82. A's money is $\frac{2}{3}$ part of B's money and B's money is $\frac{4}{5}$ part of C's money. A : C will be
 (A) 8 : 15 (B) 15 : 8 (C) 8 : 19 (D) 19 : 8
83. If $(3a + 7b) : (5a - 3b) = 5 : 3$, then value of a : b is
 (A) 9 : 4 (B) 4 : 9 (C) 3 : 2 (D) 2 : 3
84. Indian Classical dance was popularised abroad by
 (A) Hema Malini (B) Sudha Chandran
 (C) Uday Shankar (D) Yamini Krishnamurthy
85. Susil Babu deposited ₹ 7,000 at 8% yearly simple interest in post office few years ago. After his death, his wife got ₹ 12,600 back. Susil Babu deposited the money _____ years ago.
 (A) 7 (B) 10 (C) 5 (D) 6
86. Express a speed of 18 km/h in metres per second.
 (A) 4 (B) 5 (C) 6 (D) 7
87. The root word is given, choose another appropriate word from the alternatives given to form a sensible compound word. Tick your choice --- Sword ---
 (A) stroke (B) man (C) fighter (D) handle
88. Fourth proportion of xy, yz and zx is -
 (A) x^2 (B) y^2 (C) z^2 (D) xy

89. Find out the synonym of 'Renegade' :
 (A) Dishonest (B) Deserter (C) Sinner (D) **Rebel**
90. How many Mondays are there in a particular month of a year, if the month ends on Wednesday ?
 (A) 4 (B) 5 (C) **4 or 5** (D) None
91. In a mixture of 90 litres, the ratio of milk and water is 2 : 1. If the ratio is to be 2 : 3, then the quantity of water to be further added is (in litres)
 (A) 60 (B) **54** (C) 72 (D) 30
92. The smallest perfect square number that is divisible by 2, 3, 4, 5 and 6 would be
 (A) 60 (B) **3600** (C) 900 (D) 120
93. Which of the following is correct ?
 (A) 1MB = 2048 bites (B) **1 KB = 1024 bites**
 (C) 1 MB = 1000 KB (D) Both (A) and (B)
94. World Environment Day is celebrated on
 (A) 25th December (B) 20th September
 (C) **5th June** (D) 9th July
95. In a city the taxi fare is ₹ 18 for the 1st one kilometre or less and then ₹ 1.50 for every extra kilometre or part thereof. A man paid ₹ C after travelling x km ($x > 1$), then which relation is true ?
 (A) $C = 18 + 3x$ (B) **$C = 18 + \frac{3}{2}x$**
 (C) $C = 18 + \frac{3}{2}(x - 1)$ (D) $C = 18x + \frac{3}{2}(x - 1)$
96. Fill in the blank.
 I was astonished _____ the bad news.
 (A) **at** (B) in (C) with (D) to
97. In the West Bengal Legislative Assembly a quorum is when, of the total membership, there is the presence of
 (A) **One tenth** (B) One fourth (C) One half (D) One third
98. Before repairing a bike needs $\frac{4}{5}$ hr per day servicing for 60 days. After repairing it need servicing same hr per day for 80 days. The time fraction save of servicing after repairing is
 (A) $\frac{4}{5}$ part (B) $\frac{5}{16}$ part (C) $\frac{5}{6}$ part (D) $\frac{2}{5}$ part

99. Fill in the blank :

We are going to invite him _____ dinner.

- (A) to (B) for (C) at (D) towards

100. If $9^x = 3^y$, then

- (A) $x^2 = y$ (B) $2x = y$ (C) $x = 2y$ (D) $y^2 = x$

101. If the area of the circumcircle of an equilateral triangle be 616 sq.m., then the height of the triangle is (in m.)

- (A) 28 (B) 7 (C) 14 (D) 21

102. The tidal forest is known as

- (A) Tropical Evergreen Forest (B) Wet Deciduous Forest
(C) Mangrove Forest (D) Alpine Forest

103. Which root of the inequality $7x + 5 > 5x + 9$ lies within the set $\{0, 1, 2, 3\}$?

- (A) 0 (B) 1 (C) 2 (D) 3

104. Mr. Banerjee bought a government cash certificate at yearly 14% simple interest in this context that his wife and son will get the amount in 3 : 2 ratio after 10 years. If son received ₹ 6,720 after the term, then value of the certificate was

- (A) ₹ 6,000 (B) ₹ 7,000 (C) ₹ 5,000 (D) ₹ 10,000

105. The nick name of Swami Vivekananda was

- (A) Surendranath (B) Narendranath (C) Bhupendranath (D) Sailendranath

106. The author of 'An Unknown Indian' is

- (A) Kuldeep Nayar (B) Amrita Pritam
(C) Nirad C. Choudhuri (D) Anurag Mathur

107. The value of $\tan 4^\circ \tan 43^\circ \tan 47^\circ \tan 86^\circ \tan 45^\circ$ is

- (A) $\sqrt{3}$ (B) $1/\sqrt{3}$ (C) 1 (D) 0

108. The angles of a triangle are in the ratio 1 : 2 : 3. The angles are

- (A) $45^\circ, 90^\circ, 180^\circ$ (B) $10^\circ, 20^\circ, 30^\circ$ (C) $30^\circ, 60^\circ, 90^\circ$ (D) $20^\circ, 40^\circ, 60^\circ$

109. The magnitude of "gravity of earth : gravity of moon" is approximately

- (A) 1 : 6 (B) 1 : 80 (C) 6 : 1 (D) 80 : 1

110. Safed Hathi was directed by this film maker :

- (A) Tapan Sinha (B) Tarun Majumdar (C) Ajay Kar (D) Satyajit Roy

111. Choose the correct combination so as to form a meaningful sentence :

All religions are

1. justice and freedom

2. to advance the cause of peace

3. in a holy partnership

4. bound together

(A) 4321

(B) 2314

(C) 1342

(D) 3241

112. The constituent particles of the nucleus of atom are

(A) proton and electron

(B) proton and neutron

(C) neutron and electron

(D) neutron and positron

113. Plucking -- Rolling -- Fermenting -- Drying -- Sorting -- Blending -- Packing etc. are the process for marketing the crop of

(A) Coffee

(B) Sugarcane

(C) ~~Edible oil~~

(D) Tea

114. The paramilitary forces who guarded Nazi meetings and attacked the gatherings of other parties.

(A) Elite Guards

(B) Gestapo

(C) Red Shirts

(D) Storm Troopers

115. Choose the sentence which is grammatically correct.

(A) He is vulnerable to criticism.

(B) He is vulnerable for criticism.

(C) He is vulnerable from criticism.

(D) He is vulnerable at criticism.

116. What is the pseudonym of Madhusudan Dutta ?

(A) Srim

(B) Moumachi

(C) ~~Nabakumar Kabiratna~~

(D) Poyen

117. Area of a circle 'a' sq.units, circumference is 'b' units and diagonal is 'c' units. Value of a/bc will be

(A) 1

(B) 2

(C) $1/4$

(D) $1/2$

118. The age of Sukanta Babu is twice that of the elder son. Ten years later he will be three times old as his younger son. If the difference between the ages of the two sons is 15 years, the present age of Sukanta Babu is

(A) 70 years

(B) 64 years

(C) 50 years

(D) 57 years

119. Choose the correct answer from the alternatives given :

The jury _____ divided in their opinion.

(A) has

(B) have

(C) is

(D) are

120. In West Bengal the percentage of seats reserved for women in the Panchayat is

(A) 20%

(B) 33%

(C) ~~30%~~

(D) 50%