

All India Science Teachers' Association, West Bengal
SCIENCE APTITUDE AND TALENT SEARCH TEST -2023

Time : 1 hr. 45 min.

Full Marks : 60

Class IV

INSTRUCTIONS:

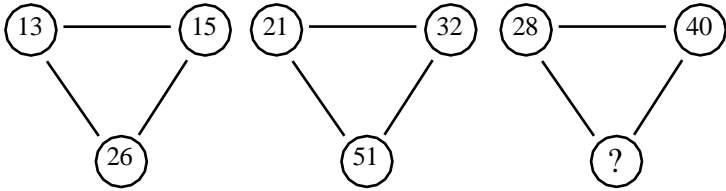
1) Write your name, class, name of school and roll number both at left and right side on the answer sheet. 2) In the question paper you will find four probable answers: a), b), c) and d) against each question. Find out which one of the answers is correct or the best. There are four circles on the answer sheet corresponding to each question below a), b), c) and d). Now mark the circle below the letter of selected answer by putting a cross mark distinctly with a ball pen. If c) is the correct answer, you are to mark ○○ ⊗ ○ . **3) 1 mark will be awarded for each correct answer and 1 mark will be deducted for 3 wrong answers.** 4) Don't write anything on the question paper. Don't mark answers on the question paper. Submit the answer sheet only after the examination. 5) You may use additional blank sheet for any rough work, if necessary. 6) Do not waste time for any question which appears difficult to you, better try next question. If you consider first answer to be wrong, blacken it like ● and put ⊗ on correct answer.

1. The organism that grows in water is
a) pyne b) lotus c) cactus d) tuberos
2. An aquatic animal of the species of fish is
a) whale b) shark c) prawn d) crocodile
3. The odd one in the following is
a) water b) water vapour c) oil d) ice
4. A part of alimentary system cannot be
a) stomach b) small intestine
c) large intestine d) kidney
5. The one not needed in photosynthesis is
a) sunlight b) water c) carbon-di-oxide d) cold air
6. The moon lies between the sun and the earth during the
a) new moon b) full moon
c) eleventh lunar day d) fifth lunar day

7. The smallest planet in the solar system is the
a) earth b) mercury c) venus d) mars
8. Bronze is a mixture of
a) copper and nickel b) copper and iron
c) iron and gold d) copper and tin
9. Which one is not a food grain in the following ?
a) Barley b) Wheat c) Jute d) Gram
10. Which one of the following is not a domestic animal?
a) Camel b) Hippo c) Sheep d) Duck
11. The source of honey is
a) leave b) flower c) fruit d) root
12. Which is not a tree in the following ?
a) Banyan b) Mango c) Chili d) Guava
13. The living one in the following is
a) fungus b) balloon c) water d) tub
14. Five sense organs of a human body is controlled by
a) brain b) large intestine c) lungs d) eye
15. A fruit in the following is
a) potato b) carrot c) ginger d) papaya
16. The inner parts of the body of an animal is protected by
a) skin b) eye c) ear d) nose
17. A non-medicinal plant is
a) tulsi b) bean c) thankuni d) kulekhara
18. Cane is not used to make
a) basket b) chair c) book d) kulo
19. One cottage industry in the following is
a) iron industry b) oil refinery
c) thermal power plant d) pottery
20. The district from which 'chhou' dance has spread to other places is
a) Bankura b) Purulia c) Maldah d) Howrah
21. The vehicle that is operated by electricity and not by diesel is
a) tram b) railway engine
c) taxi d) bus

22. A vegetarian animal is
a) man b) dog c) goat d) tiger
23. The animal that helps in agriculture is
a) deer b) bull c) goat d) dog
24. A carbohydrate type of food is
a) rice b) pulse c) egg d) meat
25. A non-vertebrate animal is
a) cockroach b) toad c) rohu d) snake
26. The spice that is used most in recovery of wound is
a) cumin b) turmeric c) coriander d) chili
27. If the altitude from the earth's surface increases the quantity of oxygen in air
a) decreases b) increases c) remains same
d) some times increases and some times decreases.
28. The gas that is present in maximum quantity in air is
a) oxygen b) hydrogen
c) nitrogen d) carbon di oxide
29. The one absent in Saptarshi Mondal (ursa major) is
a) Bashistha b) Agastya c) Pulastya d) Pulaha
30. The animal having the front edge of its tongue fixed but the other edge open is
a) toad b) human being c) dog d) cat
31. The speed of a car is 45 km per hour. How much distance will it cover in 20 minutes ?
a) 15 km b) 900 km c) 65 km d) 90 km
32. The smallest 5 digit number having different digits is
a) 10,000 b) 10,234 c) 12,345 d) 01,234
33. The sum of the place values of 6 in 26,296 is
a) 6000 b) 66 c) 606 d) 6006
34. Prime factorization of 50 is
a) $2 \times 5 \times 6$ b) $2 \times 5 \times 5$ c) $10 \times 5 \times 1$ d) $2 \times 5 \times 7$
35. A number is added to 186 to get 849. The digit at ten's place of the number is
a) 9 b) 4 c) 6 d) 2

36. See the pattern of numbers below :

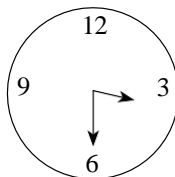


The number at the place of “?” in third figure is

- a) 68 b) 76 c) 66 d) 58
37. A boy covers 1 km 50 m while going once around a rectangular garden. It is 425 m long, its breadth is
- a) 343 m b) 100 m c) 850 m d) 100 km
38. When $\frac{2}{3}$, $\frac{5}{9}$ and $\frac{11}{18}$ are arranged in descending order we get
- a) $\frac{11}{18}$, $\frac{5}{9}$, $\frac{2}{3}$ b) $\frac{5}{9}$, $\frac{11}{18}$, $\frac{2}{3}$ c) $\frac{5}{9}$, $\frac{2}{3}$, $\frac{11}{18}$ d) $\frac{2}{3}$, $\frac{11}{18}$, $\frac{5}{9}$
39. Twin primes after the set of twin primes (197, 199) is
- a) 207, 205 b) 227, 229 c) 201, 203 d) 200, 202
40. The HCF of 120 and 135 is
- a) 30 b) 15 c) 45 d) 60
41. Subtracting 9 dm 5 cm 6 mm from 25 dm 2 cm 3 mm we get
- a) 16 dm 6 cm 7 mm b) 15 dm 5 cm 7 mm
- c) 15 dm 6 cm 7 mm d) 16 dm 6 cm 7 mm
42. Only one curved line is used to form the letter
- a) R b) S c) N d) D
43. The sum of two number is five lakh ninety thousand two hundred seven. If one of the number is 438293, the other number is
- a) 151914 b) 15104 c) 150014 d) 168094
44. On subtracting 5, 6, 7 consecutively from (45 - 19) we get
- a) 18 b) 17 c) 7 d) 8
45. A glass is filled by 3 cupful water. A jug is filled by 7 such glasses full of water. The capacity of the cup compared to that of the jug is
- a) $\frac{3}{7}$ b) $\frac{7}{3}$ c) $\frac{1}{21}$ d) $\frac{1}{10}$

46. When 11 is subtracted 10 times from a number, we get 8. The number is
 a) 110 b) 108 c) 118 d) 181
47. Ram went to see a match at 3:10 p.m and returned home at 6:05 p.m. How long did he stay out ?
 a) 3 hours 15 minutes b) 2 hours 15 minutes
 c) 2 hours 55 minutes d) 2 hours 95 minutes
48. A triangle in which all three side are equal is called a (an)
 a) equilateral triangles b) scalene triangle
 c) isosceles triangles d) right angled triangle
49. The next number in the series 47719, 47829, 47939 is
 a) 47949 b) 47039 c) 48049 d) 47849
50. The simplest value $50 \div 5 - 14 + 12$ is
 a) 16 b) 8 c) -16 d) 18
51. One factor of 380 is
 a) 0 b) 11 c) 38 d) 14
52. Δ represents such a number that $\Delta + \Delta + \Delta + \Delta + \Delta + \Delta + \Delta + \Delta = 42$
 Then the value of $\Delta + \Delta + \Delta$ is
 a) 16 b) 18 c) 12 d) 14
53. The greatest prime number of 2 digits is
 a) 90 b) 98 c) 99 d) 97
54. When divisor = 9, quotient = 92 and remainder = 7, the dividend is
 a) 992 b) 925 c) 835 d) 821
55. Arranged 3.42, 0.339, 1.418 and 0.38 in ascending order we get
 a) 0.339, 1.418, 0.38, 3.42 b) 0.38, 0.339, 1.418, 3.42
 c) 0.339, 0.38, 1.418, 3.42 d) 3.42, 1.418, 0.38, 0.339

56. Time in the clock is
 a) 6 minutes past 12
 b) 16 minutes past 6
 c) 15 minutes past 6
 d) 30 minutes past 3



57. Among the years, a leap year is
a) 1900 b) 2200 c) 1700 d) 2400
58. The number of weeks in a leap year is
a) 48 b) 52 c) 53 d) 49
59. The number of hours in a year which is not a leapyear is
a) 8,760 b) 8,670 c) 8,076 d) 8,600
60. 44 written as a sum of two prime numbers is
a) $44 = 20 + 24$ b) $44 = 22 + 22$
c) $44 = 3 + 41$ d) $44 = 35 + 9$
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