ALL INDIA

MATHS SCIENCE TALENT EXAMINATION
CLASS VI

Total Marks: 25   **Time Allowed: 30 Minutes**

1. 1, 2, 3, 5, 8, _?
   (A) 9   (B) 11
   (C) 13   (D) 15

2. If 'water' is called 'blue', 'blue' is called 'red', 'red' is called 'white', 'white' is called 'sky' and 'sky' is called 'rain', 'rain' is called 'green' and 'green' is called 'air', which of the following is the colour of the milk?
   (A) Red   (B) Air
   (C) Sky   (D) none of these

3. Arun rank twelfth in a class of forty-six. What will be his rank from the last?
   (A) 33   (B) 35
   (C) 37   (D) none of these

4. 01.08.2007 is the first Wednesday of August, 2007. Which is the fourth Saturday of this month?
   (A) 22.08.2007   (B) 24.08.2007
   (C) 25.08.2007   (D) none of these

5. Canvas : Painter : : ?
   (A) Leather : Shoe   (B) Marble : Sculptor
   (C) Chisel : Wood   (D) none of these

6. 1056 m^2 = _____ares.
   (A) 1.056   (B) 10.56
   (C) 0.0156   (D) 0.1056

7. $387 \times 387 + 114 \times 114 + 2 \times 387 \times 114 =$
   (A) 250101   (B) 261010
   (C) 260101   (D) 251001

8. The least square number which is divisible by 6, 8 and 15 is _____.
   (A) 4500   (B) 3600
   (C) 2500   (D) 6400

9. **Column A**   **Column B**
   a. Reflex angle   i. 145^0
   b. Obtuse angle   ii. 180^0
   c. Straight angle   iii. 37^0
                         iv. 265^0

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

10. A triangular pyramid has _____ vertices.
    (A) 2   (B) 3
    (C) 4   (D) 6

11. If the sum of two integers is 45 and one of them is –22, determine the other.
    (A) 32   (B) 23
    (C) 67   (D) none of these

12. One-fifth of a number exceeds one-seventh of the same by 10. The number is _____.
    (A) 100   (B) 125
    (C) 150   (D) 175

13. If 15.5 litres of vegetable oil costs Rs.1063.30, What is the cost of 5 litres of vegetable oil?
    (A) 68.60   (B) 1029
    (C) 343   (D) 373.30

14. A room is 13 m long and 7 m broad. Find the cost of carpeting the room with a carpet 75 cm broad at Rs.8.50 per metre.
    (A) 453.33   (B) 1031.33
    (C) 403   (D) none of these

15. If Rs.6020 is divided among A, B and C is such a way that A gets double of what B gets and B gets double of what C gets, what will be the share of B?
    (A) 860   (B) 430
    (C) 1720   (D) 850

16. Which of the following is a metalloid?
    (A) Boron   (B) Silicon
    (C) Both A & B   (D) none of these

17. ____ helps in clotting of blood.
    (A) RBC   (B) WBC
    (C) Platelets   (D) none of these

18. Brightest constellation in the sky is _____.
    (A) Leo   (B) Draco
    (C) Orion   (D) Lynx

19. There are ___ chambers in the human heart.
    (A) 4   (B) 5   (C) 2   (D) 3

20. The purest form of natural water is ____.
    (A) River water   (B) Sea water
    (C) Rain water   (D) Both A & C

21. Bleeding gums is an indication of deficiency of ___
    (A) Protein   (B) Carbohydrate

(C) Fat   (D) Vitamin C

22. A _____ solution is one in which no more of that substance can be dissolved.
    (A) Saturated   (B) Unsaturated
    (C) Pure   (D) Impure

23. What will happen if an iron nail is kept in mercury?
    (A) It will submerge   (B) It will dissolve
    (C) It will float   (D) none of these

24. Which of the following is the most poisonous gas?
    (A) Carbon Dioxide   (B) Carbon Monoxide
    (C) Nitrogen   (D) Both A & B

25.
Column A	Column B
a. Spiny leaves	i. Radish
b. Hollow stem	ii. Cacti
c. Perennial herb	iii. Lotus
d. Biannual plant	iv. Rose

(A) a-ii, b-iii, c-iv, d – i
(B) a-iii, b-ii, c-i, d - iv
(C) a-i, b-iii, c-ii, d – iv
(D) none of these

ANSWERS

1	C	6	B	11	C	16	C	21	D
2	C	7	D	12	D	17	C	22	A
3	B	8	B	13	C	18	C	23	C
4	C	9	D	14	B	19	A	24	B
5	B	10	C	15	C	20	C	25	A