Class-VII

SECTION-A : SCIENCE

1. What change do you notice when you wrap moong seeds in a wet cloth after keeping them in water?

   (A) They sprout   (B) They start to rot   (C) They turn yellow   (D) There is no change

   Ans. (A)

2. Which of these creatures produce honey?

   (A) Bees   (B) Fly   (C) Beetles   (D) Honey Worms

   Ans. (A)

3. Which part of the chilli plant do we eat?

   (A) Seed   (B) Fruit   (C) Stem   (D) Leaves

   Ans. (B)

4. Which of the following is also known as 'bodybuilding food'?

   (A) Carbohydrates   (B) Vitamins   (C) Proteins   (D) …Fats

   Ans. (C)

5. Which of these nutrients help our body to fight diseases?

   (A) Vitamins   (B) Proteins   (C) Carbohydrates   (D) Fats

   Ans. (A)

6. Which one of the following items is the hardest to be recycled?

   (A) Paper   (B) Clothes   (C) Rubber tyres   (D) Leaves

   Ans. (C)

7. Which of these gases is used to extinguish fire?

   (A) Helium   (B) Sulphur dioxide   (C) Carbon dioxide   (D) Nitric oxide

   Ans. (C)

8. Which of the following is a result of very little rainfall for a year or more?

   (A) Drought   (B) High tides   (C) Volcanoes   (D) Flood

   Ans. (A)

9. Which of these materials is used in a compass?

   (A) Horseshoe magnet (B) Copper rod   (C) Bar magnet   (D) Iron rod

   Ans. (C)

10. Which of these materials does an electrician use while repairing an electric switch?

(A) An aluminium sheet   (B) A copper handle

(C) Rubber gloves   (D) An iron rod

Ans. (C)

SECTION-B : MENTAL ABILITY

11. If TABLE is coded as VCDNG then CLASS is coded as:

(A) DMBSS   (B) ENCUU   (C) ENBUU   (D) ELBUU

Ans. (B)

12. Which fraction comes next in the sequence $\dfrac{1}{2}, \dfrac{3}{4}, \dfrac{5}{8}, \dfrac{7}{16}$?

(A) $\dfrac{9}{32}$ (B) $\dfrac{10}{17}$ (C) $\dfrac{11}{34}$ (D) $\dfrac{12}{35}$

Ans. (A)

13. Find the missing number in place of question mark?

0	−1	−2
1	0	−1
2	?	0

(A) 1   (B) −1   (C) −2   (D) 4

Ans. (A)

14. A person if facing North-West. He turns 45° in the clockwise direction and then 135° in the anticlockwisedirection. Which direction is he facing now?

(A) South-West   (B) North-West   (C) North-East   (D) South-East

Ans. (A)

15. Anil introduces Rohit as the son of the only brother of his father's wife. How is Rohit related to Anil?

(A) Cousin   (B) Son   (C) Uncle   (D) Son-in-law

Ans. (A)

16. Letters of the word given below have been jumbled up. You are required to construct the word. Each letter has been numbered. Choose the option which gives the correct order of the letters as indicated by the numbers to form the word.

R T A O U H

1 2 3 4 5 6

(A) 1, 3, 4, 5, 6, 2   (B) 2, 3, 6, 4, 5, 1   (C) 3, 5, 2, 6, 4, 1   (D) 6, 3, 2, 4, 5, 1

Ans. (C)

17. In a certain code MEDICO is coded as DEMOCI, write code for PICNIC

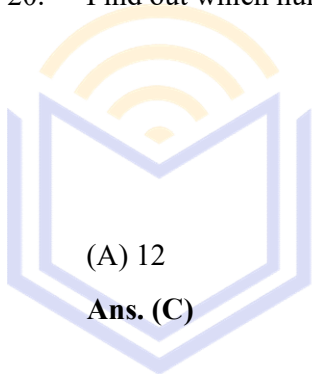   (A) ICICPN   (B) CIPCIN   (C) PNICIC   (D) CCIINP

    Ans. (B)

18. Standing on a platform, Amit told Sunita that Aligarh was more than ten kilometres but less than fifteenkilometres from there. Sunita knew that it was more than twelve but less than fourteen kilometres fromthere. If both of them were correct, which of the following could be the distance of Aligarh from the Platform?

    (A) 11 km   (B) 12 km   (C) 13 km   (D) 14 km

    Ans. (C)

19. A honeybee colony that contains 50,000 bees in late fall, may have only 10,000 bees at the end of winter. What percent of the bees live through the winter season?

    (A) 80%   (B) 20%   (C) 25%   (D) 50%

    Ans. (B)

20. Find out which number stands for AB in the following operation

$$
\begin{array}{r}
A\ B \\
+\ 7\ 2 \\
\hline
9\ 6 \\
\end{array}
$$

    (A) 12   (B) 22   (C) 24   (D) 132

    Ans. (C)

SECTION-C : Mathematics

21. $4\dfrac{7}{8} = ?$

    (A) 4.78   (B) 4.87   (C) 4.875   (D) None of these

    Ans. (C)

22. With the angles given below, in which case the construction of triangle is possible?

    (A) 30º, 60º, 70º   (B) 50º, 70º, 60º   (C) 40º, 80º, 65º   (D) 72º, 28º, 90º

    Ans. (B)

23. $(-7) + (-9) + 12 + (-16) = ?$

    (A) –20   (B) 20   (C) –12   (D) 12

    Ans. (A)

24. What do you mean by a regular quadrilateral?

(A) A rectangle　　　(B) A rhombus　　　(C) A square　　　(D) A trapezium

Ans. (C)

25. Ankur sold 13.375 kg of cheese on a day. On the next day he sold 725 gm of cheese. On the third day he sold 12.125 kg of cheese. How much of cheese in all did the Ankur sell?

(A) 26.225 kg　　　(B) 750.5 kg　　　(C) 14.225　　　(D) none of these

Ans. (A)

26. AB and CD are two chords of a circle, if only AB passes through the centre of the circle, then

(A) AB = CD　　　(B) AB > CD　　　(C) AB < CD　　　(D) None of these

Ans. (B)

27. The difference of the smallest five digit number and the greatest five digit number formed by using

2, 1, 5, 7, 0 only (Digits should not be repeated) is

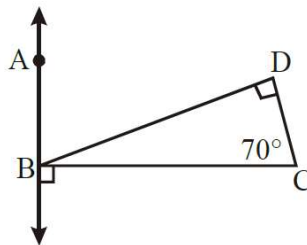(A) 73953　　　(B) 65053　　　(C) 64953　　　(D) 65953

Ans. (C)

28. A curve which begins and ends at the same point is called a _____?

(A) closed curve　　　(B) open curve　　　(C) normal curve　　　(D) definite curve

Ans. (A)

29. The smallest possible decimal fraction upto 3 decimal places is

(A) 0.101　　　(B) 0.111　　　(C) 0.001　　　(D) 0.011

Ans. (C)

30. What is the measure of $\angle ABD$?

(A) 20°　　　(B) 70°　　　(C) 140°　　　(D) 160°

Ans. (B)