

## Class-VIII

### SECTION-A : SCIENCE

- What is the ultimate source of energy for all living organisms?  
(A) Moon                      (B) Sun                      (C) Air                      (D) Water  
**Ans. (B)**
- What kind of micro-organisms cause tooth decay?  
(A) Bacteria                      (B) Protozoa                      (C) Fungi                      (D) Algae  
**Ans. (A)**
- What is the rearing of silkworms for obtaining silk called?  
(A) Silk culture                      (B) Vermiculture                      (C) Sericulture                      (D) None of these  
**Ans. (C)**
- When one comes out in the sun, what do they feel?  
(A) Cold                      (B) Warm                      (C) Ice                      (D) Frozen  
**Ans. (B)**
- What is the chemical name of Milk of Magnesia?  
(A) Magnesium Peroxide                      (B) Magnesium Sulphide  
(C) Magnesium Hydroxide                      (D) Magnesium Chloride  
**Ans. (C)**
- What is the colour of copper sulphate Solution?  
(A) Red                      (B) Yellow                      (C) Green                      (D) Blue  
**Ans. (D)**
- Why do birds migrate during colder weathers?  
(A) To remain warm to survive                      (B) To search for food  
(C) To escape predators                      (D) To build their nest  
**Ans. (A)**
- What is the calm central area of a cyclone known as?  
(A) Ear                      (B) Nose                      (C) Eye                      (D) Lips  
**Ans. (C)**
- Toys, pots and statues are made up of which type of soil?  
(A) Loamy Soil                      (B) Clayey Soil                      (C) Sandy Soil                      (D) Rocky Soil  
**Ans. (B)**

10. Through what does the exchange of gases take place in an earthworm?  
 (A) Lungs (B) Gills (C) Spiracles (D) Skin

**Ans. (D)**

### SECTION-B: MENTAL ABILITY

11. What number should replace the question mark in the diagram?

3	6	9
5	8	20
4	7	?

- (A) 11 (B) 14 (C) 28 (D) 12

**Ans.(B)**

12. Who among the following are sitting in the same row ?

- (A) A and B (B) C and F (C) C and B (D) A and E

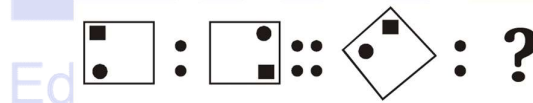
**Ans.(D)**

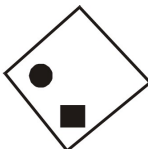
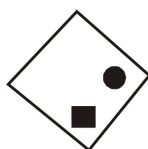


13. If D and E exchange their seats who will be the neighbours of D in the new seating arrangement?

- (A) only C (B) only B (C) E and B (D) C and A

**Ans.(D)**

14. Find the matching pair.



- (A)  (B)  (C)  (D) 

**Ans.(B)**

15. If MUSK is coded as 146816, then ZERO will be coded as

- (A) 1015 (B) 122912 (C) 1813 (D) 914

**Ans.(B)**

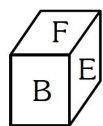
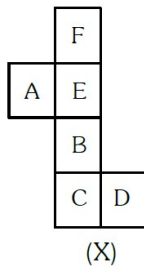
16. How many p's are there with 'f' before and after them in the sequence?

f p f p p c f f f p f p f p f p p f f p p p f f f p f p f p f p p f f p f

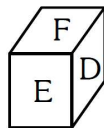
- (A) 3 (B) 6 (C) 7 (D) 8

**Ans.(D)**

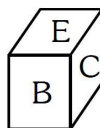
17. Choose the box that is similar to the box formed from the given sheet of paper (X).



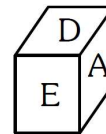
(1)



(2)



(3)



(4)

- (A) 1 only      (B) 2 only      (C) 1 and 3 only      (D) 1, 2, 3 and 4

**Ans.(B)**

18. If  $27 * 3 = 243$  and  $5 * 4 = 80$ . Then what is the value of  $3 * 7 = ?$

- (A) 84      (B) 147      (C) 63      (D) 23

**Ans.(B)**

19. In the following question, alphabet series is given with one term missing. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

AYBZC, DWEXF, GUHVI, JSKTL?

- (A) MQORN      (B) MQNRO      (C) NQMOR      (D) QMONR

**Ans.(B)**

20. Choose from the four diagrams marked (A), (B), (C) and (D) the one that best illustrates the relationship among three given classes. Man, father, brother



(A)



(B)



(C)



(D)

**Ans.(D)**

### SECTION-C : Mathematics

21. Of the three angles of a triangle, one is twice the smallest and another is three times the smallest. Find the smallest angle.

- (A)  $30^\circ$       (B)  $40^\circ$       (C)  $35^\circ$       (D)  $50^\circ$

**Ans.(A)**

22.  $(-27) \times (-16) + (-27) \times (-14) = ?$

- (A) -810      (B) 810      (C) -54      (D) 54

**Ans.(B)**

23. How much pure alcohol must be added to 400 ml of a 15% solution to make its strength 32%?

- (A) 40 ml      (B) 125 ml      (C) 100 ml      (D) 150 ml

**Ans.(C)**

24. A man goes 10 m due east and then 24 m due north. Find his distance from the starting point.  
 (A) 26 m                      (B) 25 m                      (C) 24 m                      (D) 27 m

**Ans.(A)**

25. If  $a, b, c$  are integers, such that  $a > b$ , then  
 (A)  $a \times c > b \times c$ , if  $c$  is positive                      (B)  $a \times c < b \times c$ , if  $c$  is positive  
 (C)  $a \times c > b \times c$ , if  $c$  is negative                      (D) None of these

**Ans.(A)**

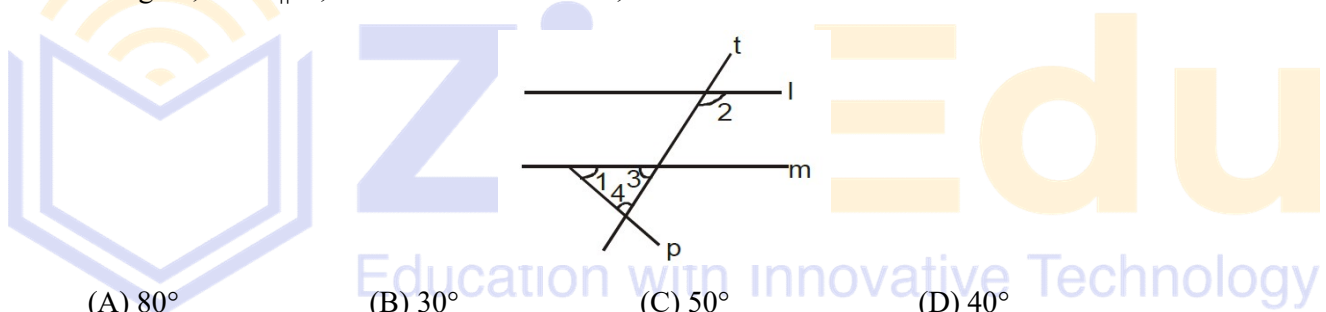
26. In a  $\Delta ABC$ ,  $AD$  is the altitude from  $A$  such that  $AD = 12$  cm,  $BD = 9$  cm and  $DC = 16$  cm. Examine if  $\Delta ABC$  is right angled at  $A$  ?  
 (A) Yes                      (B) No                      (C) Cannot say                      (D) None of these

**Ans.(A)**

27. The weight of 34 bags of sugar is 3483.3 kg. If all bags weigh equally, find the weight of each bag.  
 (A) 102.45 kg                      (B) 102 kg                      (C) 101.45 kg                      (D) 101 kg

**Ans.(A)**

28. In figure, line  $l \parallel m$ ,  $\angle 1 = 60^\circ$  and  $\angle 2 = 100^\circ$ , find  $\angle 4$



- (A)  $80^\circ$                       (B)  $30^\circ$                       (C)  $50^\circ$                       (D)  $40^\circ$

**Ans.(D)**

29. What should be subtracted from .1 to get .03?  
 (A) .7                      (B) .07                      (C) .007                      (D) None of these

**Ans.(B)**

30. A picture frame is 80 cm by 60 cm then its diagonal is  
 (A) 75 cm                      (B) 95cm                      (C) 90 cm                      (D) 100 cm

**Ans.(D)**