

**IQ:**

Q.1 If 'ERASER' is called 'BOX', 'BOX' is called 'PENCIL', 'PENCIL' is called 'SHARPENER' and 'SHARPENER' is called 'BAG', what will a child write with ?

- (a) Eraser                      (b) Bag                      (c) Pencil                      (d) Sharpener

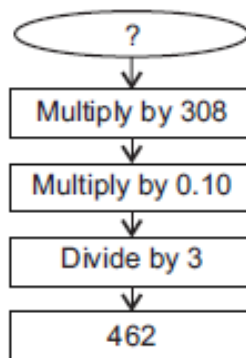
Q.2 In the following question, alphabet series is given with one term missing. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

AYBZC, DWEXF, GUHVI, JSKTL ?

- (a) MQORN                      (b) MQNRO                      (c) NQMOR                      (d) QMONR

Q.3 What is the number you started with?

- (a) 5  
(b) 45  
(c) 56  
(d) 25



Q.4 Count the number of cubes in the given figure.

- (a) 14  
(b) 15  
(c) 12  
(d) 20



Q.5 In a family there are husband wife, two sons and two daughters. All the ladies were invited to a dinner. Both sons went out to play. Husband did not return from office. Who was at home?

- (a) Only wife was at home.                      (b) All ladies were at home.  
(c) Only sons were at home.                      (d) No body was at home.

Q.6 The value of  $\sqrt{214 + \sqrt{130 - \sqrt{88 - \sqrt{44 + \sqrt{25}}}}}$

- (a) 14                      (b) 15                      (c) 16                      (d) 17

Q.7 If 20% of 60% of a number is 144, then the number is

- (a) 1200                      (b) 2880                      (c) 8640                      (d) None of these

Q.8 The compound interest on Rs. 350 for 1 years at 4% per annum, the interest being payable half yearly, will be

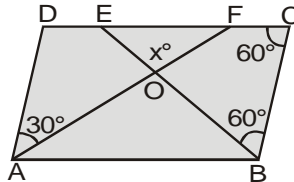
- (a) Rs. 364.14              (b) Rs. 365.15              (c) Rs. 14.14              (d) Rs. 15.15

Q.9 Simplify :  $(32)^{\frac{-2}{5}} \div (125)^{\frac{-2}{3}}$

- (a)  $\frac{4}{25}$                       (b)  $\frac{25}{4}$                       (c)  $\frac{2}{5}$                       (d)  $\frac{5}{2}$

Q.10 In the adjoining figure ABCD is a parallelogram, then the measure of x is :

- (a)  $45^\circ$   
 (b)  $60^\circ$   
 (c)  $90^\circ$   
 (d)  $135^\circ$



Q.11 If the point (3, 4) lies on the graph of the equation  $3y = ax + 7$ , then the value of a is :

- (a)  $\frac{2}{5}$                       (b) 1                      (c)  $\frac{4}{3}$                       (d)  $\frac{5}{3}$

Q. 12 If  $x + y + z = 0$ , then  $x^3 + y^3 + z^3$  is

- (a) xyz                      (b)  $2xyz$                       (c)  $3xyz$                       (d) Zero

Q.13 A cook contains a mixture of 49 litres of wine and water in the proportion 5 : 2. How much water must be added to it so that the ratio of wine to water may be 7 : 4?

- (a) 5                      (b) 6                      (c) 7                      (d) None of these

Q.14 Blood is formed of -

- (a) Plasma and bone marrow cells  
 (b) Plasma, white & red blood cells and blood platelets.  
 (c) Plasma & WBC  
 (d) Plasma & RBC

Q.15 Which of the following beneficial bacteria is found in the colon of man?

- (a) Lactobacillus                      (b) Pseudomonas  
 (c) Clostridium                      (d) Escherichia coli

Q.16 Pyramids of energy are-

- (a) Always upright                      (b) always inverted  
 (c) mostly upright                      (d) mostly inverted

Q.17 Biogas is a mixture of:

- (a) Methane and Carbon dioxide                      (b) Methane and Hydrogen
- (c) Propane and Benzene                              (d) Nitrogen and Hydrogen
- Q.18 Aluminium vessels should not be washed with materials containing washing soda since:
- (a) Washing soda reacts with aluminium to form soluble aluminates
- (b) Washing soda is expensive
- (c) Washing soda is easily decomposed
- (d) Washing soda reacts with aluminium to form insoluble aluminium oxide
- Q.19 Which of the following exist as solid in natural state?
- (a) Chlorine    (b) Fluorine
- (c) Nitrogen    (d) Phosphorus
- Q.20 Soft drinks contains -
- (a) Acetic acid    (b) Tartaric acid
- (c) Carbonic acid    (d) Nitric acid
- Q.21 What type of technique is used to obtain pure water?
- (a) Distillation    (b) Fractional distillation
- (c) Filtration    (d) Precipitation
- Q.22 The sound travels fastest in:
- (a) Solids    (b) liquids
- (c) Gases    (d) none of these
- Q.23 A piece of ice at 0°C is dropped into the water 0°C. Then ice will
- (a) Melt    (b) Be converted to water
- (c) Not melt    (d) Partially melt
- Q.24 Which of the planet is brightest:
- (a) Mercury    (b) Venus
- (c) Mars    (d) Jupiter
- Q.25 An object is moving with a constant velocity of 10 m/s, then its acceleration is:
- (a) Zero    (b) 10 m/s<sup>2</sup>
- (c) 5 m/s<sup>2</sup>    (d) 20 m/s<sup>2</sup>

ANSWER KEY

1.d    2.b    3.b    4.b    5.d  
6.b    7.a    8.c    9.b    10.c  
11.d   12.c   13.b   14.b   15.a  
16.a   17.a   18.a   19.d   20.c  
21.b   22.a   23.a   24.b   25.a