

**IQ**

Q.1 What least value should be given to '\*' so that the number 6135\*2 is exactly divisible by 9?

- (a) 0                      (b) 1                      (c) 2                      (d) 3

Q.2 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

Q.3 In the question, the second dice is obtained by rotating the first dice vertically downwards, by an angle of 180°. Observe the dice and answer the question. The faces of this dice show letter A, B, C, D, E and F. Letter on the face opposite to the face showing the letter A is

- (a) F  
 (b) C  
 (c) D  
 (d) B

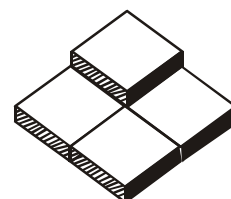


Q.4 OTE, PUF, QVG, RWH.....

- (a) SYJ                      (b) TXI  
 (c) SXJ                      (d) SXI

Q.5 Count the number of blocks in the given figure:

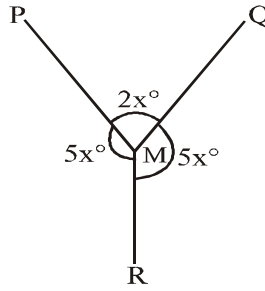
- (a) 3                      (b) 4  
 (c) 5                      (d) 6



- Q.6 The value of a & b in the expression:  $\frac{7}{15} = \frac{35}{a} = \frac{-63}{b}$  is
- (a)  $a = 55$  &  $b = -120$  (b)  $a = 75$  &  $b = -135$   
 (c)  $a = 45$  &  $b = -75$  (d) None of these
- Q.7 If  $\left(\frac{a}{b}\right)^{x-1} = \left(\frac{b}{a}\right)^{x-3}$  then the value of x is:
- (a) 0 (b) 1 (c) 2 (d) None of these
- Q.8 Simplify :  $(a^2 + b^2 + 2ab) + (a^2 + b^2 - 2ab)$
- (a)  $-2a^2 + 2b^2$  (b)  $2a^2 - 2b^2$   
 (c)  $2a^2 + 2b^2$  (d)  $(2a^2 - 2b^2)$
- Q.9 The population of town A is 4800 more than town B. If 3100 people move from town B to town A, the population of town A will be 11 times that of town B. The original total population of the two towns is –
- (a) 12580 (b) 12780 (c) 13200 (d) 13300
- Q.10 Kartik can throw a ball  $50\frac{3}{5}$ metres high. Ayan can throw the same ball  $48\frac{1}{3}$  metres high. How much farther can Kartik throw the ball than Ayan?
- (a)  $2\frac{2}{15}m$  (b)  $2\frac{4}{15}m$  (c)  $2\frac{3}{5}m$  (d)  $2\frac{4}{5}m$
- Q.11 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
- Q.12 In a survey of 10 families, each family is found to have the following number of children 1, 2, 3, 2, 3, 3, 1, 2, 1 & 2, number of families with 3 children is equal to the number of families with
- (a) 1 children (b) 2 children (c) 3 children (d) None of these

Q.13 In the given figure, the value of x is

- (a) 10
- (b) 20
- (c) 30
- (d) 40



Q.14 Which of these is not necessary for photosynthesis?

- |                    |                 |
|--------------------|-----------------|
| (a) Carbon dioxide | (b) Chlorophyll |
| (c) Light          | (d) Nitrogen    |

Q.15 Brass is.....

- |           |               |
|-----------|---------------|
| (a) Metal | (b) Non-metal |
| (c) Alloy | (d) Noble gas |

Q.16 Which amongst the following has smallest size?

- |                     |                      |
|---------------------|----------------------|
| (a) Na              | (b) Al               |
| (c) Na <sup>+</sup> | (d) Al <sup>3+</sup> |

Q.17 The main organ for digestion and absorption of food is -

- |                     |                     |
|---------------------|---------------------|
| (a) Large intestine | (b) Small intestine |
| (c) Stomach         | (d) Liver           |

Q.18 The part of the pistil which receives the pollen is the

- |            |            |
|------------|------------|
| (a) Ovary  | (b) Stalk  |
| (c) Stigma | (d) Anther |

Q.19 The main reasons for deforestation are

- |                           |                     |
|---------------------------|---------------------|
| (a) Cattle ranching       | (b) Illegal logging |
| (c) Excessive agriculture | (d) All of these    |

Q.20 White light is made of:

- |               |               |
|---------------|---------------|
| (a) 1 colour  | (b) 3 colours |
| (c) 5 colours | (d) 7 colours |

Q.21 Melting of wax is a \_\_\_\_\_ change, while burning of candle is \_\_\_\_\_ change

(a) Irreversible, reversible

(b) reversible, irreversible

(c) Physical, reversible

(d) Chemical, irreversible

Q.22 Which of the following has germicidal properties?

(a) Carbon

(b) Nitrogen

(c) Chlorine

(d) Helium

Q.23 The purest form of natural water is

(a) Rain water

(b) ground water

(c) Surface water

(d) None of these

Q.24 Water has maximum density at

(a) 0°C

(b) 10°C

(c) 4°C

(d) None of these

Q.25 Which of these is not a plant fibre?

(a) Seed fibre

(b) Fruit fibre

(c) Avian fibre

(d) None of these

**ANSWER KEY**

1.b    2.c    3.a    4.a    5.c

6.b    7.c    8.c    9.c    10.b

11.a    12.a    13.c    14.d    15.c

16.c    17.b    18.c    19.d    20.d

21.b    22.c    23.a    24.c    25.d