

## Diwali Quiz

1. Select the option that is related to the fourth term in the same way as the first term is related to the second term.

213 : 7 :: ? : 8

- A. 343
- B. 512
- C. 340
- D. 509

2. Select the option in which the words share the same relationship as that shared by the given pair of words.

Ring : Fingers :: \_\_\_\_\_ : \_\_\_\_\_ ?

- A. Sound : Loudspeaker
- B. Handle : door
- C. Dress : Body
- D. Watch : Time

3. In the following question, select the related word pair from the given alternatives.

Moon : Satellite :: Earth : ?

- A. Sun
- B. Planet
- C. Solar System
- D. Asteroid

4. **Select the related word from the given alternatives.**

Clock : Time :: Thermometer : ?

- A. Heat
- B. Radiation
- C. Energy
- D. Temperature

5. If in a certain code language EGIM is coded as FILQ then how will OTCJ is the same code language?

- A. PXEN
- B. NVEW

- C. PVFN
- D. NVEP

6. In a certain code, 'ETERNAL' is written as 'GQGOPXN'. How 'INFINITE' is written in that code?

- A. KKHFPFVB
- B. KLHGPFVB
- C. KKHFPGVB
- D. KKHGPFVB

7. In a certain code language if SHRIMP is coded as RIPKJS then what will LOADED coded in that language?

- A. KPYFBG
- B. KPYEAG
- C. LPYFAG
- D. KPYFBE

8. In a certain code, LATERAL is written as AAEKKRT and BOUND is written as ACNOU. How would APICAL be written in that code language?

- A. AKCIKZ
- B. ACIKPZ
- C. ACZIKP
- D. ACIKZP
- E. None of these

9. If in a certain way MOUNTAIN is coded as NNVMUZJM, then how HIMALAYAS will be coded in the same manner?

- A. IHNZMZZZT
- B. IHNZMEZZS
- C. IHNZNZZZS
- D. IHMZMZZZS
- E. None of these

10. What is the angle between minute and hour hands of clock of at 12:25?

- A.  $135\frac{1}{2}$  degree
- B. 137 degree
- C. 135 degree
- D.  $137\frac{1}{2}$  degree

11. On Monday Sakshi reached 15 min before 9:00 a.m. for the meeting, Sakshi found herself half an hour earlier than the man who was 40mins late. What was the scheduled time of the meeting?

- A. 8:15 a.m.
- B. 8:20 a.m.
- C. 8:25 a.m.
- D. 8:35 a.m.

12. What smaller angle will be formed by the minute hand and hour hand at 8:50 a.m.?

- A.  $35^{\circ}$
- B.  $55^{\circ}$
- C.  $40^{\circ}$
- D.  $25^{\circ}$

13. At half past 5 in the evening, the smaller angle between the hour & minute hands of a clock is?

- A.  $10^{\circ}$
- B.  $12^{\circ}$
- C.  $15^{\circ}$
- D.  $18^{\circ}$

14. **Select the correct option that will fill in the blank and complete the series.**

2, 8, 32, 128, 512, ?

- A. 2507
- B. 2536
- C. 2067
- D. 2048

15. **Select the correct option that will fill in the blank and complete the series.**

WVU, RQP, MLK, ?

- A. HGF
- B. JHI
- C. HGI
- D. IGF

16. **Select the correct option that will fill in the blank and complete the series.**

AA, BD, CI, DP.....

- A. EY
- B. FR
- C. ER
- D. FY

17. **Select the option that will correctly replace the question mark (?) in the series.**

QFM, OHL, MJK, ?

- A. KJL
- B. KLJ
- C. JKL
- D. LKJ

18. **Select the option that will correctly replace the mark (?) in the series. TOD, RQB, PSZ, NUX, ?**

- A. LWU
- B. LVW
- C. LWW
- D. LWV

19. **A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.**

16, 24, 18, 26, ?, 28

- A. 20
- B. 22
- C. 24
- D. 26

20. **A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.**

25, 49, 81, ?, 169, 225

- A. 110
- B. 144
- C. 100
- D. 121

###ANSWERS###

1. Ans. C.

$$2+1+3 = 6$$

Add 1 into 6

$$\rightarrow 7$$

Similarly,

Using option (C)

$$3+4+0=7$$

Add 1 into 7

$$\rightarrow 8$$

Hence, option C is the correct answer.

2. Ans. C.

As a ring is worn on a finger. Similarly, a dress is worn on a body.

Hence, C is the correct option.

3. Ans. B.

Moon is a satellite and earth is a planet.

Hence, option B is the correct answer.

4. Ans. D.

First term is an instrument to measure the second term.

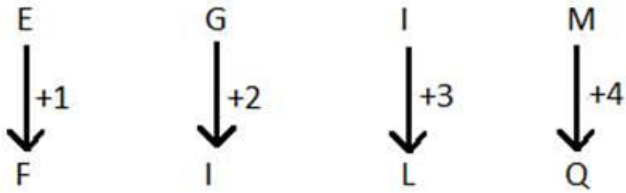
Clock is used to measure time.

Similarly, Thermometer is used to measure temperature.

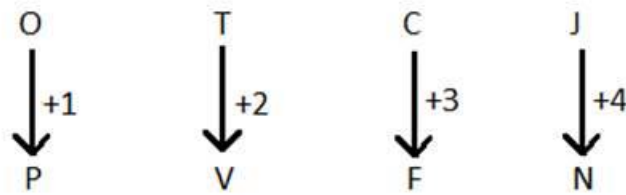
Hence, option D is the correct answer.

5. Ans. C.

We can clearly see from the diagram



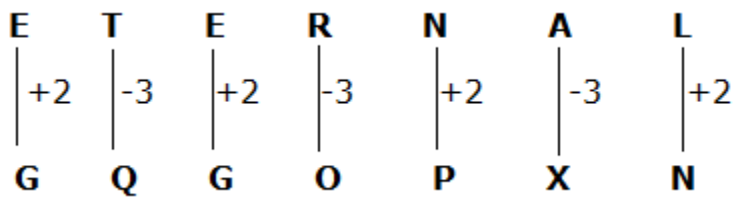
Similarly,



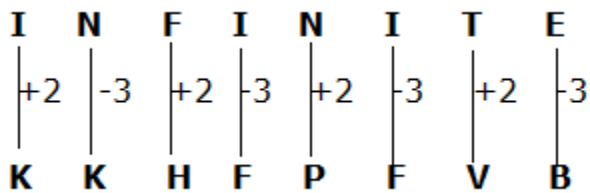
OTCJ will be coded as **PVFN**.

Hence, option C is the correct answer.

6. Ans. A.

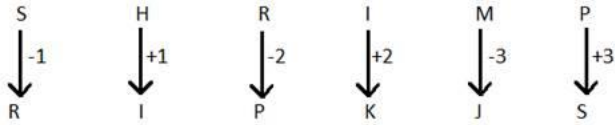


Similarly,

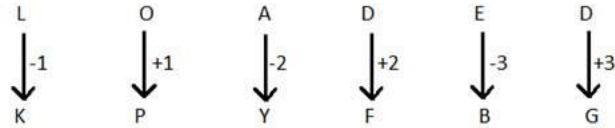


Hence, option A is the correct answer.

7. Ans. A.



Similarly,



As the figure shows, **LOADED** will be coded as **KPYFBG**.

Hence, option A is the correct answer.

8. Ans. B.

First and the last letters of the word are moved one place backward in the English alphabet and then the letters are arranged alphabetically from the left to the right.

So, **APICAL** = **ACIKPZ**

Therefore, option B is the correct answer.

9. Ans. A.

The 1<sup>st</sup> letter of the word is replaced by its succeeding letter and the 2<sup>nd</sup> letter of the word is replaced by its previous letter. This process continued till the last letter.



Clearly, **HIMALAYAS** will be coded as **IHNZMZZZT**.

10. Ans. D.

Angle traced by hour hand in 1 min is  $\frac{1}{2}$  degree.

Angle traced by hour hand in 25 min is  $\frac{25}{2}$  degree.

Angle traced by min hand in 1 min is 6 degree.

Angle traced by min hand in 25 min is 150 degree.

Thus, angle between hands will be  $150 - \frac{25}{2} = 137\frac{1}{2}$  degree

Hence, option D is the correct answer.

11. Ans. D.

Sakshi reached 15 mins before 9:00 a.m so it means she reached at 8:45 a.m.

She found herself 30 mins earlier than the man who was 40 mins late. It means she was 10 mins late.

So, the scheduled time of the meeting was 8:35 a.m.

Hence, option D is the correct answer.

12. Ans. A.

$$\begin{aligned}\text{Angle} &= \text{hrs} \times 30 + \text{min} \times 0.5 - \text{min} \times 6 \\ &= 8 \times 30 + 50 \times 0.5 - 50 \times 6 \\ &= 240 + 25 - 300 \\ &= 265 - 300 \\ &= -35\end{aligned}$$

$$\text{Angle} = 35^{\circ}$$

Hence, option A is the correct answer.

13. Ans. C.

half past 5 in the evening means its 5:30

If the time is H:M, where H goes from 0 to 11 and M goes from 0 to 59, the formula is Angle =  $(11/2)M - 30H$ .

$$\text{Angle} = (11/2)M - 30H = (11/2)30 - 30 \times 5 = 165 - 150 = 15 \text{ degree}$$

Hence, Option C is the correct answer.

14. Ans. D.

The pattern is:

$$2 = 2^1$$



$$8 = 2^3$$

$$32 = 2^5$$

$$128 = 2^7$$

$$512 = 2^9$$

So, the next no will be

$$2^{11} = 2048$$

Hence, option D is the correct answer.

15. Ans. A.

The pattern is as follows:

First letter:  $W - 5 = R$ ;  $R - 5 = M$ ;  $M - 5 = \mathbf{H}$

Second letter:  $V - 5 = Q$ ;  $Q - 5 = L$ ;  $L - 5 = \mathbf{G}$

Third letter:  $U - 5 = P$ ;  $P - 5 = K$ ;  $K - 5 = \mathbf{F}$

Hence, option A is the correct answer.

16. Ans. A.

pattern is:

$$A \xrightarrow{+1} B \xrightarrow{+1} C \xrightarrow{+1} D \xrightarrow{+1} E$$

$$A \xrightarrow{+3} D \xrightarrow{+5} I \xrightarrow{+7} P \xrightarrow{+9} Y$$

Hence, option A is the correct answer.

17. Ans. B.

Logic is:

First letter (Next letter comes after subtracting 2 from the previous letter) =

$$Q - 2 = O, O - 2 = M, M - 2 = K$$

Second letter (Next letter comes after adding 2 to the previous letter) =

$$F + 2 = H, H + 2 = J, J + 2 = L$$

Third letter (Next letter comes after subtracting 1 from the previous letter) =

$$M - 1 = L, L - 1 = K, K - 1 = J$$

Hence, option B is the correct answer.

18. Ans. D.

The pattern is:

$$\begin{array}{l} R \xrightarrow{-2} P \xrightarrow{-2} N \xrightarrow{-2} L \\ Q \xrightarrow{+2} S \xrightarrow{+2} U \xrightarrow{+2} W \\ B \xrightarrow{-2} Z \xrightarrow{-2} X \xrightarrow{-2} V \end{array}$$

Hence, option D is the correct answer.

19. Ans. A.

The series will be,

$$24 - 16 = +8$$

$$18 - 24 = -6$$

$$26 - 18 = +8$$

$$? - 26 = -6$$

$$? = -6 + 26$$

$$? = 20$$

Hence, the correct answer is 20.

20. Ans. D.

The pattern is:

$$(2+3)^2 = 25$$

$$(3+4)^2 = 49$$

$$(4+5)^2 = 81$$

$$(5+6)^2 = 121$$

$$(6+7)^2 = 169$$

$$(7+8)^2 = 225$$

So, Missing Number is 121.

Hence, option D is the correct answer.