Q. 1 Among six objects F, G, H, J, K and L:
i. $H$ is twice as heavy as $K$, and $J$ is one and half times as heavy as $F$.
ii. $G$ is half as heavy as $J$.
iii. $F$ and $J$ together are less heavy than $H$.
iv. $J$ and $L$ together are twice as heavy as $F$.

If the objects are arranged in descending order of their weight, which object will be second from the bottom?
Ans
X 1. K
$\times 2 . \mathrm{L}$
$\times 3 . \mathrm{F}$

- 4. G
Q. 2 Select the option that is related to the third number in the same way as the second number is related to the first number.

7: 294: : $9: ?$
Ans
1.648
$\times 2.576$
$\times 3.881$
$\times 4.452$
Q. 3 Which option figure would come next in the following figure series?


Ans
$\checkmark 1$.

$\times 2$.

$\times 3$.

$\times 4$.

Q. 4 Choose the set of numbers that is similar to the following set.
$\{21,29,20\}$
Ans

1. $\{8,17,15\}$
$\times 2 .\{19,28,17\}$
X $3 .\{33,35,12\}$
X $4 .\{7,26,24\}$
Q. 5 If WIDOWER is coded as VKAOXCU, then how would FORTIFY be coded?

Ans 1.EQOTJDB
X 2. GMUSHDV
X 3.EOQSJCD
X 4.EPPTHDC
Q. 6 Select the option in which the given figure is embedded (rotation is NOT allowed).


Ans

Q. 7 If POUNDAGE is coded as NOPUEGAD, then how would STAMPING be coded?

Ans 1.AMSTGNIP
$X$ 2. TSMGNPIA
$X$ 3. TAMSGINP
X 4. AMTSGNIP
Q. 8 Select the mirror image of the figure marked ' X ', when the mirror is placed on the right side of the figure.

(x)

Ans

$\times 3$.

$\times 4$.

Q. 9 If 'FESTIVE' is coded as '16113215011' and 'HUNGER' is coded as '1427815114', then how will 'GRUDGE' be coded?
Ans
X 1.12457111851
X 2. 14527811151
X 3. 15241718511
4. 15427181511
Q. 10 Two statements are followed by two conclusions numbered I and II. Assuming the statements to be true even if they do not conform to real-world knowledge, decide which of the conclusions logically follows/follow from the statements.

## Statements:

1. Some streams are rivers.
2. No river is a lake.

Conclusions:
I. No stream is a lake.
li. Some rivers are streams.

Ans
$X$ 1. Only conclusion I follows
2. Only conclusion II follows

X 3. Neither conclusion I nor conclusion II follows
$X$ 4. Both conclusions I and II follow
Q. 11 Six boys A, B, C, D, E and F are standing in a queue.
$i$. There are two boys between $B$ and $D$, and $D$ is just in front of $E$.
ii. $A$ and $C$ are adjacent to $B$.
iii. $A$ is just behind $E$, and $C$ is just in front of $F$.

Which two boys are exactly in the middle positions?
Ans
X1.B and C
X 2. C and D
X3. $A$ and $E$
2. A and B
Q. 12 If the signs + and $\times$ are interchanged, then which of the following equations would be correct?
Ans
Х $1.9 \times 3-7+9=19$
Х2. $10 \times 5 \div 10+10=10$
X $3.4 \div 8+6 \times 3=8$
2. $18 \times 3 \div 12+8=20$
Q. 13 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

LOTTERY : WQMTBTF : : SECULAR : ?
Ans
X 1. BDRTQZK
X 2. GTFUCUM
3. FGTUUCM

X4. DFTUSBM
Q. 14 Eight friends $P, Q, R, S, T, U, V$ and $W$ are sitting in a row facing North.
i. $Q$ sits to the immediate right of $P$, who is at one of the extreme ends of the line.
ii. $Q$ sits third to the left of $T$.
iii. There are two persons between $W$ and $T$.
iv. $U$ is not an immediate neighbour of $S$ and sits to the immediate left of $V$.
$v$. There are three persons between V and R .
Who are sitting between $Q$ and $T ?$
Ans

1. $R$ and $S$

X 2. U and V
X 3. $R$ and $U$
X 4. V and S
Q. 15 'Literature' is related to 'Poetry' in the same way as 'Painting' is related to ' $\qquad$ .

Ans $\times 1$. Colour
2. Portrait
$\times$ 3. Expression
$\times 4$. Frame
Q. 16 Which two signs should be interchanged to make the given equation correct?
$10 \div 5-4 \times 3+6=13$
Ans

- 1.         + and $\div$

X 2. - and $\times$
X $3 . \div$ and $\times$
X4. + and -
Q. 17 Select the option figure, which when placed in the blank space of the figure marked ' X ' would complete the pattern.


Ans

$\checkmark 3$.

$\times 4$.

Q. 18 If CROWN is coded as 68 and DEPEND is coded as 42, then how would IMAGERY be coded?
Ans
$\times 1.68$
$\times 2.67$

- 3.71
$\times 4.73$
Q. 19 Which number will replace the question mark (?) in the following number series?

7, 9, 13, 16, 25, 29, ?, 50
Ans
$\times 1.47$
$\times 2.38$
X 3.41

- 4.45
Q. 20 'Play' is related to 'Actor' in the same way as 'Concert' is related to ' $\qquad$ '.

Ans $\times 1$. Symphony
$\times 2$ 2 Piano
2. Musician

X 4. Director
Q. 21 Select the Venn diagram that best illustrates the relationship among the following classes.

Women, Employed, Mothers
Ans
$\times 1$.

$\times 2$.

$\checkmark 3$.

$\times 4$.

Q. 22 Three statements are followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they do not conform to real-world knowledge, decide which of the conclusions logically follows/follow from the statements.

## Statements:

1. All towns are cities.
2. No city is a village.
3. Some cities are corporations.

Conclusions:
I. Some corporations are villages.
II. Some towns are corporations.
III. No corporation is a village.

Ans
$X 1$. Only conclusion I follows
X 2. Only conclusions I and II follow
3. Either conclusion I or conclusion III follows

X 4. Only conclusion II follows
Q. 23 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the figures below. How would the paper look when unfolded?


Ans
$\times 1$

$\checkmark 2$.

$\times 3$.

$\times 4$.

Q. 24 Which letter-cluster will replace the question mark (?) in the following series?

PMOR, RNNP, TOMN, VPLL, ?
Ans
X 1. XRJK
2. XQKJ

X 3. VQJJ
X 4.YQKJ
Q. 25 Which number will replace the question mark (?) in the following number series?

91, 100, 94, 97, 101, 90, 112, ?
Ans
$\times 1.83$
$\times 2.123$
X 3.87

- 4.79

