Q. 1 In a certain code language, THEOCRACY is written as CYACROHET. How will RELATIONS be written in that language?
Ans
$X$ 1. OSNAITLER
X 2. SONIATELR
X 3. NSOIATLER
4. NSOTIAELR
Q. 2 If the signs ' + ' and ' $x$ ' are interchanged, which of the following equations would be correct?
Ans
X $1.8 \times 6-2+3=6$
2. $12+3 \div 6 \times 3=9$

X $3.15-9+2 \times 6=5$
X4. $9 \times 6 \div 3+2=10$
Q. 3 Which two signs should be interchanged to make the given equation correct?
$12+6 \times 4-6 \div 3=5$
Ans
$\times 1$. - and $\div$
2. + and $\div$

X $3 . \times$ and +
X 4. $\div$ and $\times$
Q. 4 'Painting' is related to 'Canvas' in the same way as 'Rainbow' is related to ' $\qquad$ '.

Ans
$X 1$. Cloud
$\times 2$ 2. Rain
$X$ 3. Sun
4. Sky
Q. $5 \mathrm{P}, \mathrm{Q}, \mathrm{R}, \mathrm{S}, \mathrm{T}$ and U are sitting in a row facing north. U is adjacent to S and $\mathrm{P} . \mathrm{P}$ is second to the left of $Q$. $Q$ is at an extreme end.
Who is sitting second from the left end?
Ans
$\times 1$. P
$\times 2 . \mathrm{u}$
*.S
$\times 4$. ${ }^{\top}$
Q. 6 Select the figure from the options that when placed in the blank space of figure ( X ) will complete the pattern.

(X)

Ans

$\times 2$.

$\times 3$.


- 4. 


Q. 7 Select the Venn diagram that best illustrates the relationship between the following classes.

Brick, Room wall, House
Ans

$\checkmark 2$.

$\times 3$.

$\times 4$.


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Q. 8 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 9 Select the option in which the given figure is embedded (rotation is NOT allowed).


Ans

$\times 2$.

$\times 3$.

$\times 4$

Q. 10 Select the option that will come next in the following figure series.


Ans

Q. 11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
A few students are scholars.
Some scholars are girls.
All girls are literates.

## Conclusions:

Some students are girls.
Some scholars are literates.
Some literates being students is a possibility.
Ans
$X 1$. Only conclusion I follows
2. Only conclusions II and III follow

X 3. All conclusions I, II and III follow
X 4. Only conclusions I and II follow
Q. 12 In a certain code language, COMPUTER is written as CMOQVERT. How will LANGUAGE be written in that language?
Ans

1. ALNHVAEG

X 2. LNAVFEAG
X 3. NLAHVGEA
$\times 4$. ANLFTGEA
Q. 13 Select the option in which the numbers are related in the same way as are the numbers of the following set.
\{11, 240, 19\}
Ans $\quad \times 1 .\{27,380,33\}$
2. $\{12,80,8\}$

X 3. $\{6,150,14\}$
$\times 4 .\{23,310,17\}$
Q. 14 Select the number from among the given options that can replace the question mark (?) in the following series.

4, 9, 20, 43, ?, 185
Ans
X 1.95
$\times 2.133$

- 3.90
$\times 4.87$
Q. 15 Among five objects, Gas stove, Washing machine, Refrigerator, Inverter and Microwave oven:
the Washing machine is twice as heavy as the Inverter;
the Gas stove is one and half times as heavy as the Microwave oven;
the Washing machine and Microwave oven together weigh as much as the Gas stove and Inverter together;
the Refrigerator and Inverter together are one and half times as heavy as the Gas stove.

Which is the heaviest among the five objects?
Ans
$X 1$. Gas stove
X 2. Microwave oven
2. Refrigerator

X 4. Washing machine

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Q. 16 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

## Statements:

All ponds are lakes.
No river is a pond.
Conclusions:
Some rivers are not lakes.
No river is a lake.
Some rivers are lakes.
Ans
X 1. Only conclusion I follows
2. Either conclusion I or III follows

X 3. Only conclusions II and III follow
X 4. Only conclusions I and II follow
Q. 17 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.

DGJM : VUPO :: BFJN : ?
Ans
X1. ZTQM
2. XVPN

Х 3. XTRL
X4. XUQM
Q. 18 Play' is related to 'Director' in the same way as 'Newspaper' is related to ' $\qquad$ '.

Ans
X1. Press
2. Editor

X 3. Owner
X4. Writer
Q. 19 In a certain code language, MARK is coded as 16 and BEAK is coded as 10 . How will PICKLE be coded in that language?

Ans
$\times 1.27$
$\times 2.32$

- 3.29
$\times 4.35$


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Q. 20 Select the number from among the given options that can replace the question mark (?) in the following series.

210, 201, 217, 192, 228, 179, ?
Ans
$\times 1.251$
X 2.228

- 3.243
$\times 4.239$
Q. 21 Four girls, Monika, Preeti, Abha and Raji, and three boys, Harsh, Punit and Sushant, are sitting in a row facing north such that no two girls are neighbours.

Monika is to the immediate left of Harsh but is not adjacent to Sushant.
Abha is to the immediate right of Punit but is not sitting at one of the ends.
Harsh and Punit are the neighbours of Raji.
Who is sitting at the extreme right end?
Ans
$X$ 1. Harsh
X 2. Sushant
X 3. Monika
4. Preeti
Q. 22 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

TRIBUTE, RBTEUIT, BEITUTR, ?, TRIBUTE
Ans

1. ETTRUIB

X 2. BIURTTE
X 3. ETRTUIB
X4. EURTTIB
Q. 23 Select the correct mirror image of figure $(\mathrm{X})$ when the mirror is placed at the right side of the figure.

(X)

Ans

$$
1 .
$$


Q. 24 Select the option in which the two numbers are related the same way as are the two numbers of the given number-pair.

13: 210
Ans
X 1.5:48
2.7:72
$\times 3.9: 108$
X4.11:152

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Q. 25 In a certain code language, SNAKE is coded as 15 . How will DONATION be coded in that language?
Ans
X 1.29
2. 24
$\times 3.26$
$\times 4.18$
$\square$

