Q. 1 Select the option that will come next in the following figure series.


Ans
P1.
$\times 2$

$\times 3$

$\checkmark 4$

Q. 2 In a certain language, if the signs + and $\times$, and the digits 3 and 8 are interchanged, then what is the value of the following expression?
$6 \times 35 \div 5+8-9$
Ans
$\times 1.101$

- 2.48
$\times 3.44$
$\times 4.31$


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Q. 3 In a certain language, if '+' means 'subtraction', 'x' means 'division', ' $\div$ ' means 'addition', and '-' means 'multiplication', then find the value of the following expression (BODMAS rule does not apply in that language).
$8 \div 16 \times 4+2-3$
Ans
$\times 1.1$
2. 12
$\times 3.9$
$\times 4.5$
Q. 4 Select the numbers that will replace the question marks (?) in the given number series.

11, 12, 13, 13, 17, 16, 23, ?, ?
Ans

- 1.21,31
$\times 2.25,33$
X 3.23,27
X4.23,29
Q. 5 In the question below, three statements are given, followed by four conclusions.

Assuming the statements to be true, choose the appropriate option regarding the conclusions.

Statements:
I. All doctors are lawyers.
II. Some lawyers are engineers.
III. All engineers are brokers.

Conclusions:

1. Some engineers are doctors.
2. Some brokers are lawyers.
3. Some brokers are doctors.
4. Some lawyers are doctors.

Ans
X 1. None of the conclusions follow.
2. Only conclusions 2 and 4 follow.
$X$ 3. All the conclusions follow.
$\times 4$. Only conclusions 1 and 3 follow.

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Q. 6 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
_ $c_{-} d d_{-} c a_{-} c b d d b_{-} a$
Ans
X 1. abcac
$\times 2$. caddb
3. abbac

X 4. cdaba
Q. 7 In a year-end examination, 6 papers-Maths, Physics, Geography, Economics, Chemistry, History- are scheduled on 6 consecutive days of a week (Monday Saturday)

1. Maths paper is after the Chemistry paper, with a 1-day gap between them.
2. Physics paper is on Monday.
3. Geography paper is not on the last day.
4. History paper, which is scheduled on the previous day of the Maths paper, has a two-day gap with the Physics paper.

Which paper is scheduled on Saturday?
Ans
$X$ 1. Chemistry
2. Economics
$X$ 3. History
X 4. Maths
Q. 8 Select the figure from the options, which is embedded in the given question figure.


Ans
$\times 1$.

$\times 2$.

$\times 3$.

$\checkmark 4$.

Q. 9 In a year-end examination, 6 papers-Maths, Physics, Geography, Economics, Chemistry, History- are scheduled on 6 consecutive days of a week (Monday Saturday)

1. Maths paper is after the Chemistry paper, with a 1-day gap between them.
2. Physics paper is on Monday.
3. Geography paper is not on the last day.
4. History paper, which is scheduled on the previous day of the Maths paper, has a two-day gap with the Physics paper.

In the above description, the History paper was cancelled due to incompletion of syllabus and the exam was scheduled for five days (Monday - Friday), with the order of the papers reversed.

Which paper was scheduled on Thursday?
Ans
$X$ 1. Physics
2. Geography

X 3. Maths
$X$ 4. Chemistry
Q. 10 Select the number that will replace the question mark (?) in the given number series.
$146,90,56,34,22, ?$
Ans

- 1.12
$\times 2.10$
X 3.14
X4.16
Q. 11 In the question below, two statements are given, followed by two conclusions.

Assuming the statements to be true, choose the appropriate option regarding the conclusions.

## Statements:

I. Amit is a good fielder
II. All fielders have big hands.

Conclusions:

1. All people with big hands are fielders.
2. Amit has big hands.

Ans
$X$ 1. Both the conclusions follow.
X 2. Only conclusion 1 follows.
X 3. Neither conclusion follows.
4. Only conclusion 2 follows.
Q. 12 Select the mirror image of the following figure (note the position of the mirror).


71/11
Ans

Q. 13 Select the number triad that is analogous to the given triads.
(64, 8, 65), (125, 27, 89)
Ans $\quad \times 1 .(100,23,90)$
X 2. $(216,1,81)$
X 3. $(49,36,25)$
4. $(83,24,95)$

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Q. 14 In a certain code language, if 'raghav plays hockey' is written as 'xfjdni rzzmo ubghzs', then 'arun works hard' will be written as:
Ans
X 1. eqxi rlqpv mxwa
2. eqxi rjsnx mvqb
3. cszi rlqpv mvqb
4. cszi rjsnx mvwb
Q. 15 Select the number-pair that is analogous to the given pair.

46:61
Ans
$\times 1.60: 28$
2. 521:52

X $3.27: 3$
X4.612:36
Q. 16 Select the name from the options that is similar to the given set of names in a certain manner.

Bismillah Khan, JRD Tata, M Visvesvaraya, Sachin Tendulkar
Ans
X 1. Mahatma Gandhi
X 2. Baba Amte
3. Pranab Mukherjee

X 4. Viswanathan Anand
Q. 17 Select the letter that will replace the question mark (?) in the given letter series.
$\mathrm{a}, \mathrm{d}, \mathrm{h}, \mathrm{n}$, ?
Ans $\times 1 . w$
X2.y
X3.a

- 4. u
Q. 18 In a certain code language, if storm $=15$, apple $=6$, virtue $=35$, then cupboard $=$ ?

Ans
$\times 1.23$
2. 37
$\times 3.45$
$\times 4.31$
Q. 19 In a certain code language, NEST is written as 8426 , WISE is written as 6912, and RAIN is written as 7859 .

The letters do not correspond to digits. Which of the following can be the code for the word WANT?

Ans
$\times 1.6759$
$\times 2.2194$
X 3.7894
4.8147
Q. 20 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.


Ans
$\times 1$.

$\checkmark 2$.

$\times 3$.

$\times 4$.

Q. 21 Select the figure from the options that when placed in the blank space of the given figure will complete the pattern.


Ans
X1.

2.

$\times 3$.

$\times 4$.

Q. 22 Five people make statements about their heights. Only one of them is lying. Study the statements carefully and identify the second tallest person in the group.

1. Aditya: I am taller than Nachiket, but shorter than Sanika.
2. Rushikesh: I am taller than Aditya, but shorter than Sanika.
3. Nachiket: I am of the same height as that of Rushikesh and taller than Nikita.
4. Sanika: I am the tallest.
5. Nikita: Rushikesh is shorter than Aditya.

Ans
X 1. Nachiket
$\times 2$. Nikita
X 3. Rushikesh
4. Aditya
Q. 23 In the following figure, the triangle represents 'carpenters', the circle represents 'black-smiths', and the rectangle represents 'fishermen'. How many people are fishermen?


Ans
$\times 1.13$
$\times 2.1$
$\times 3.9$

- 4.10
Q. 24 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans
X 1. gtri
X 2. kpnm
3. dwfv

X4.cxve
Q. 25 Select the option that is related to the third term in the same way as the second term is related to the first term.

Conductor: Aluminium : : Insulator : ?
Ans
X 1. Silver
2. Mica
$\times 3$. Silicon
$\times$ 4. Graphite

