Q1. How many triangles are present in the given figure?
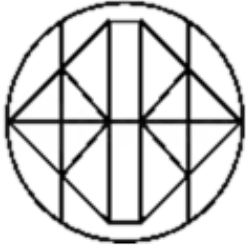
(a) 22
(b) 26
(c) 24
(d) 28

Q2. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
RAHGEIR: HARRIEG :: SOULFUL : UOSLUFL :: SHIRISH : ?
(a) IHSHSIR
(b) SIHRIHS
(c) IHSRSHI
(d) ISHHSIR

Q3. You are the principal of a high school, and you have noticed a sudden increase in student absenteeism. What should be your immediate course of action?
(a) Organize a school-wide assembly to address the issue and encourage students to attend regularly.
(b) Implement stricter attendance policies and impose penalties for unexcused absences.
(c) Conduct individual meetings with the absent students and their parents or guardians to understand the reasons for their absenteeism.
(d) Write a letter to the local education authority reporting the increase in absenteeism.

Q4. In this question, three statements are followed by two conclusions, numbered I and II. Find out which conclusion(s) is/are true based on the given statements.
Statements:
R = T < P ≥ M, P ≤ S, M < N
Conclusions:
I. S > T
II. N > R
(a) Only conclusion II is true.
(b) Only conclusion I is true.
(c) Either conclusion I or conclusion II is true.
(d) Both conclusions I and II are true.

Q5. Study the statement given below and select which argument(s) is/are stronger with respect to the statement.

Question: Should smoking be prohibited in all public places?

Argument 1: Yes, smoking should be prohibited in all public places because it poses significant health risks to both smokers and non-smokers. Secondhand smoke exposure can lead to serious health issues, and allowing smoking in public places infringes on the rights and well-being of non-smokers.

Argument 2: No, smoking should not be prohibited in all public places because it is a personal choice, and adults should have the freedom to smoke in designated areas. Banning smoking in all public places could be seen as an overreach of government authority and infringe on individual rights.

(a) Only argument 1 is strong.
(b) Only argument 2 is strong.
(c) Arguments 1 and 2 are strong
(d) Neither 1 is strong nor 2 is strong

Q6. The heights of five students in a class are being compared. The heights are as follows:

Amy is shorter than Ben. Carl is taller than Amy but shorter than Dave. Emily is shorter than Carl but taller than Ben. Dave is taller than Ben.

Who is the tallest student in the class?

(a) Ben
(b) Amily
(c) Carl
(d) Dave

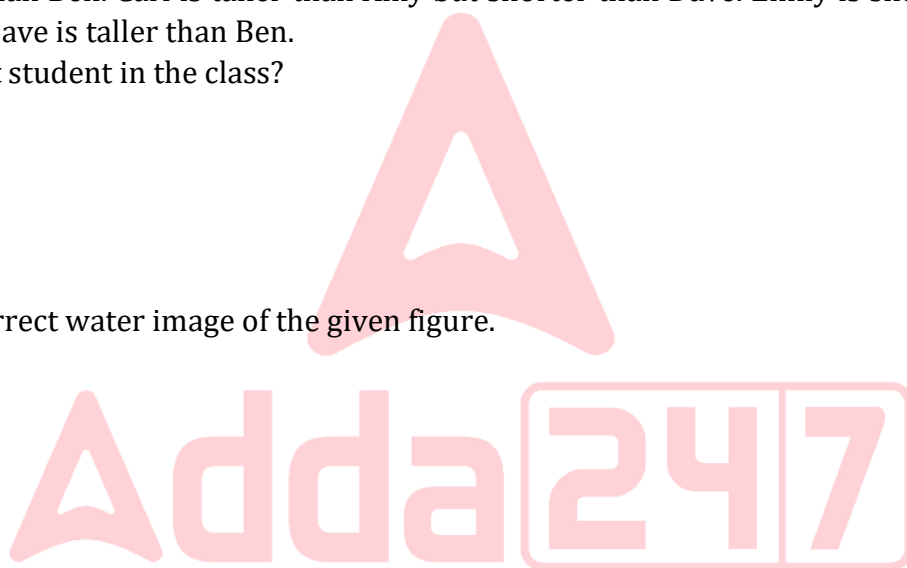**Q7.** Select the correct water image of the given figure.
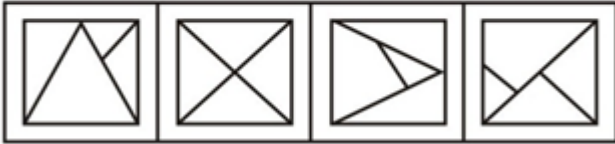

(a)

(b)

(c)

(d)

Q8. Identify the answer figure from which the pieces given in the question figure have been cut.

Question Figure :

Answer Figure :

(a)   (b)   (c)   (d)

(a) A
(b) B
(c) C
(d) D

Q9. Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

(a)

(b)

(c)

(d)

Q10. Select the figure in which the given figure is embedded.
(Rotation is not allowed).

(a)

(b)

(c)

(d)

Q11. A @ B means 'A is the sister of B'.
A & B means 'A is the brother of B'.
A # B means 'A is the wife of B'.
A ^ B means 'A is the mother of B'
A + B means 'A is the father of B'.
If P + Q & R + S @ T @ U # V & W, then which of the following statements is NOT correct?
(a) V is the son-in-law of R.
(b) P is the paternal grandfather of S.
(c) Q is the sister of R.
(d) U is the granddaughter of P.

Q12. Which letter cluster will replace the question mark (?) to complete the given series?
IDWU, VYCI, ? , VOOK, IJUY
(a) ITIV
(b) ITIW
(c) ITJW
(d) ITJV

Q13. What number should replace question mark (?) in the series given below?

48, 52, 43, 59, 34, ?

(a) 70

(b) 72

(c) 69

(d) 71

Q14. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

(a) GTV

(b) KPR

(c) UFI

(d) QJL

Q15. In an arrangement of powerful Kings, Bhallaladeva's rank is 5th from the top and 31st from the bottom. Find the number of Kings in the arrangement?

(a) 36

(b) 35

(c) 37

(d) 26

Q16. A, B, C, D, E, F, G and H are sitting in a row, facing North. E and F are at the center, A and B are at the ends, C is sitting to the left of A. G is sitting third to the left of F. H is not the immediate neighbour of either E or F. Who is sitting to the right of H?

(a) A

(b) G

(c) C

(d) D

Q17. In the following question, select the related letter/word/number from the given alternatives.

32548 : 22 : : 85415 : ?

(a) 21

(b) 24

(c) 22

(d) 23

Q18. If 61 @ 12 # 24 = 122 and 54 # 11 @ 198 = 3, then 78 @ 13 # 5 = ?

(a) 32

(b) 30

(c) 31

(d) 35

Q19. In a certain code language, DRAGON is written as WIBTDM. How will PECULIAR be written as in that language?
(a) KJHBFBOX
(b) KJXPORBI
(c) KJXFMRBI
(d) KJFCROBI

Q20. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
1. No dogs are cats.
2. All cats are animals.
Conclusions:
I. No animals are dogs.
II. Some cats are not dogs.
III. All animals are cats.
(a) Only conclusion II follows
(b) Both conclusions I and III follows
(c) Both conclusions I and II follows
(d) Neither conclusion follows

Q21. If A × B means that A is the father of B
A ÷ B means that A is the mother of B,
A + B means that A is the son of B,
A % B means that A is the husband of B
A $ B means that A is the sister of B
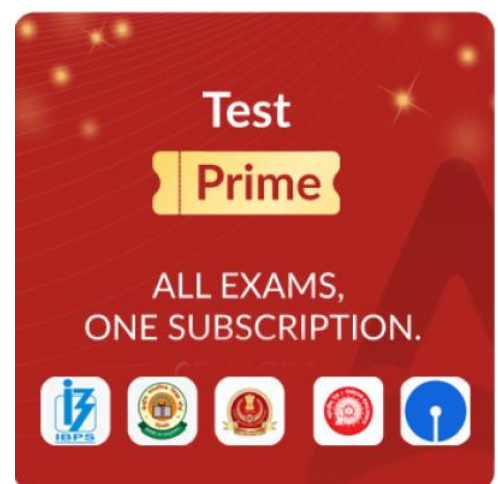**Which of the following options show that W is the daughter- in- law of P**
(a) P ×M $ V+Q ÷T $ W
(b) P ×M $ V+Q ÷T % W
(c) P ×M $ V+Q ÷T+ W
(d) P ×M $ V×Q ÷T $ W

Q22. A number has been denoted to each of the given letters. Select the option from the following four possible arrangements of these numbers that forms a meaningful word.
C=3, I=2, M=6, N=7, A=1, Y=4, D=5
(a) 5, 4, 7, 1, 6, 3, 2
(b) 4, 5, 7, 1, 6, 2, 3
(c) 5, 4, 7, 1, 6, 2, 3
(d) 5, 4, 1, 7, 6, 2, 3

Q23. In a certain language, the word CONCERT is written as RSGXGUY and the word DYNAMIC is written as RCHZOLH . How will you write EXAMINE in the same language?
(a) EBJNKQJ
(b) EBINKQM
(c) EBINKQJ
(d) EBINKQL

Q24. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)
(22, 154, 88)
(8, 56, 32)
(a) (33, 231, 132)
(b) (25, 175,99)
(c) (54, 378, 215)
(d) (9, 64, 45)

Q25. In each of the following, four options have been given out of which three are alike in some manner, while the remaining one is different. Choose the option which is different from the rest.
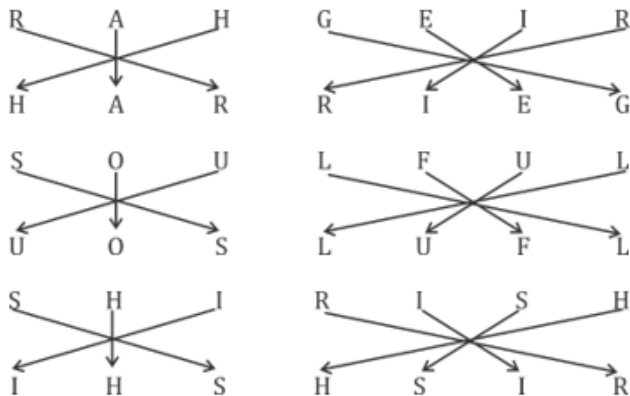(a) Narmada
(b) Godavari
(c) Krishna
(d) Mahanadi

Solutions

S1. Ans.(b)

S2. Ans.(a)
Sol.

S3. Ans.(c)
Sol. Meeting will help in understanding the genuine reasons of absenteeism.

S4. Ans.(b)
Sol.
$R = T < P \le S$
$R = T < P \ge M < N$
$I \to \checkmark$
$II \to x$

S5. Ans.(a)
Sol. Argument 1 is strong because it emphasizes public health and the potential harm that smoking can cause to both smokers and those who are exposed to secondhand smoke. It also addresses the rights and well-being of non-smokers who may be affected by others' smoking in public places. Overall, it presents a compelling case for the prohibition of smoking in public places.
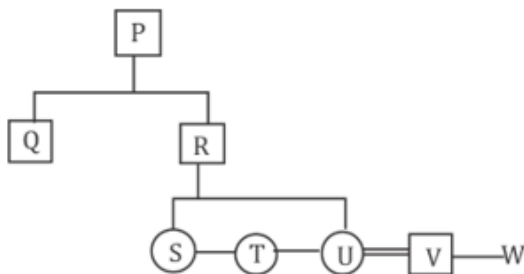
S6. Ans.(d)
S7. Ans.(b)
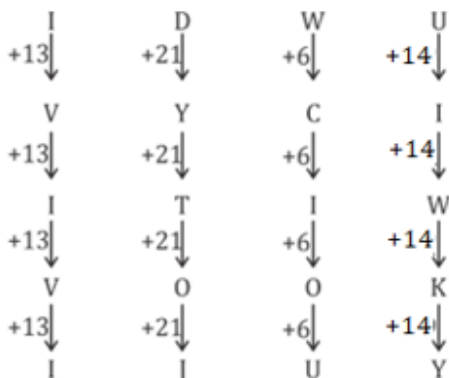**S8. Ans.(d)**
S9. Ans.(b)
S10. Ans.(c)

S11. Ans.(c)
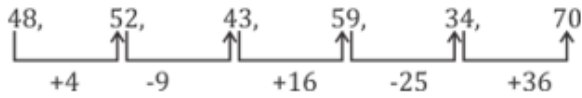**Sol.**

S12. Ans.(b)
Sol.

S13. Ans.(a)
Sol.

48,   52,   43,   59,   34,   70
  +4   -9   +16   -25   +36

S14. Ans.(c)
Sol.

(a). G $\xrightarrow{Opposite}$ T $\xrightarrow{+2}$ V

(b). K $\xrightarrow{Opposite}$ P $\xrightarrow{+2}$ R

(c). U $\xrightarrow{Opposite}$ F $\xrightarrow{+3}$ I

(d). Q $\xrightarrow{Opposite}$ J $\xrightarrow{+2}$ L

S15. Ans.(b)
Sol. 5 + 31 – 1 = 35

S16. Ans.(a)
Sol.

B   G   C/D   E   F   C/D   H   A

S17. Ans.(d)
Sol.
3 + 2 + 5 + 4 + 8 = 22
8 + 5 + 4 + 1 + 5 = 23

S18. Ans.(b)
Sol.
@ → ÷ # → ×

$\frac{61}{12} \times 24 = 122$

$\frac{54 \times 11}{198} = 3$

$\frac{78}{13} \times 5 = 30$
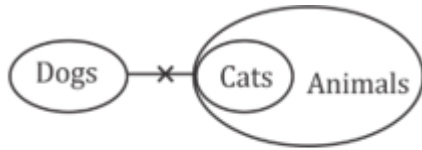
S19. Ans.(b)
Sol.

D	R	A	G	O	N
↓	↓	↓	↓	↓	↓
W	I	B	T	D	M

Consonant → Opposite letter
Vowel → Vowel × 2

P	E	C	U	L	I	A	R
↓	↓	↓	↓	↓	↓	↓	↓
K	J	X	P	O	R	B	I

S20. Ans.(a)
Sol.

Dogs — × — Cats Animals

I → ×
II → ✓
III → ×

S21. Ans.(b)
Sol.

P + Q
M — V
T + W
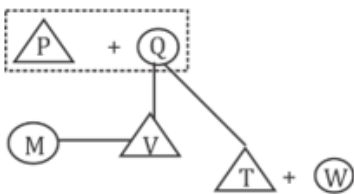
S22. Ans.(c)
Sol.
The word is

D	Y	N	A	M	I	C
5	4	7	1	6	2	3

S23. Ans.(c)
Sol.

C O N   C E R T
+4 +4 +4   Opp. +2 +3 +.5
R S G   X G U Y

D Y N   A M I C
+4 +4 +4   Opp. +2 +3 +5
R C H   Z O L H

E X A   M I N E
+4 +4 +4   Opp. +2 +3 +5
E B I   N K Q J
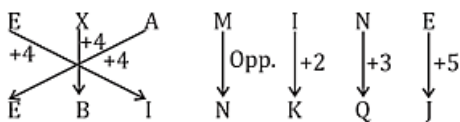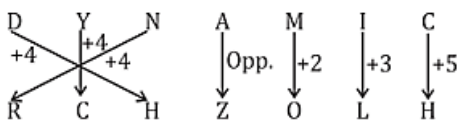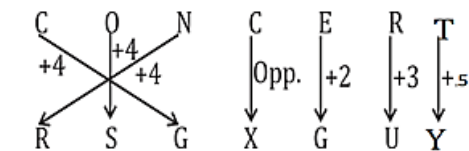
S24. Ans.(a)
Sol.
II number = 7 × 1ˢᵗ number

III number = $\frac{1^{st}+2^{nd}}{2}$

S25. Ans.(a)
Sol. Except (a), all rivers are east flowing rivers