

LOGICAL REASONING

1. If in English Alphabet 'e' and every alternate letter from 'e' onwards is written in Capitals, then how will sixth month from March will be coded
(A) SEPTEmbER (B) SEptEMbEr
(C) SepTeMber (D) SEPtEmber

2. If in a certain code, 'Clever' is written as 'XOVEVI', then 'Smart' would be written as
(A) HZNGI (B) HNZIG
(C) GHNGI (D) GIHZN

3. Fill in the blank :
Q4RT, _____, QRT6, QR7T, Q8RT
(A) QTR7 (B) QR5T
(C) RQ9T (D) TRQ6

4. Fill in the blank :
257, 291, _____, 365, 405
(A) 313 (B) 322
(C) 327 (D) 343

5. Manoj walks a distance of 5 meters towards North, then he turns to east and walks a distance of 10 meters. Then he turns to his right and covers a distance of 15 meters. He then turns to his left and covers a distance of 15 meters. Which direction is he facing now?
(A) North (B) East
(C) West (D) South

6. A man introduces a girl as the daughter of the sister of his father. How the girl is related to the man
(A) Daughter (B) Niece
(C) Grand daughter (D) Cousin

Read the following information for questions 7 to 10 and choose the most appropriate option:

P and Q are good in driving Motor cycle and Jeep. R and P are good in driving Jeep and Lorry. R, S and T are good in driving Motor Cycle and Lorry. T and R are good in driving Bus and Tempo. S and Q are good in driving Bus and Jeep.

7. Who is good in driving motorcycle, lorry and tempo?
(A) P (B) Q
(C) T (D) S

8. Who is good in driving motor Cycle, Jeep and Lorry but not bus?
 (A) R (B) S
 (C) P (D) T
9. Who is good in driving Tempo, Motor Cycle, Lorry but not Jeep?
 (A) S (B) T
 (C) R (D) Q
10. Who is good in driving all the vehicles?
 (A) R (B) P
 (C) S (D) T
11. In a bag there are some gold coins. In another bag there are $\frac{1}{3}$ rd extra gold coins as compared to first bag. If the difference in the number of gold coins in first and second bag is 5, then how many coins are there in the first bag?
 (A) 7 (B) 9
 (C) 13 (D) 15

Examine the following numbers and identify the next number:

12. 53, 50, 45, 38, 29, _____
 (A) 11 (B) 17
 (C) 18 (D) 21
13. 20, 30, 42, 56, 72, _____
 (A) 82 (B) 90
 (C) 92 (D) 94
14. The words in the bottom row are related in the same way as the words in the top row. Fill in the blank.
 Rose, Flower, Plant
 Flat, House,
- (A) City (B) Tent
 (C) Building (D) Village
15. If Ocean: Waves, then Desert : _____
 (A) Water (B) Sand
 (C) Brave (D) Sand dunes

16. If $1 \times 7 = 8$, $2 \times 7 = 16$, $3 \times 7 = 24$, $4 \times 7 = 32$, then what is value of 9×7 ?
 (A) 63 (B) 72
 (C) 81 (D) 90
17. Find the odd one out :
 Onlookers, Theatre goers, Queue, Spectators
 (A) Onlookers (B) Theatre goers
 (C) Queue (D) Spectators
18. Find the odd one out :
 Heart, Lungs, Kidney, Skin, Liver
 (A) Skin (B) Lungs
 (C) Heart (D) Kidney
19. Find the odd-man out:
 (A) <http://www.scholar.google.com> (B) <http://www.manupatra.com>
 (C) <http://www.lexisnexis.com> (D) <http://www.westlawindia.com>
20. Find the odd one out:
 Symphony, Orchestra, Guitar, Mob
 (A) Guitar (B) Orchestra
 (C) Mob (D) Symphony

Instructions for Question 21 to Question 25: Read the information given below to answer the questions.

- (i) Mohan's reading schedule consists of reading only subject on a given day of the week.
 (ii) The subjects are Physics, Chemistry, Mathematics, Biology, and Social Science.
 (iii) Monday to Saturday are reading days including one day only for play. Sunday is a complete holiday for Mohan.
 (iv) Mathematics day is neither on the first day nor on the last day but earlier than the Chemistry day.
 (v) Biology day is on the immediate next day of Chemistry day.
 (vi) Physics day is on the immediate previous day of the play day.
 (vii) Biology day and Social Science day have a gap of two days between them.
 (viii) Social Science day is on the immediate next day of the play day.
21. Which of the following day is the play day?
 (A) Monday (B) Tuesday
 (C) Wednesday (D) Thursday
22. Physics day and Biology day have a gap of how many days between them?
 (A) One (B) Two
 (C) Three (D) Four

23. Which day is Social Science day?
(A) Monday (B) Tuesday
(C) Wednesday (D) Thursday
24. Which day is Mathematics day?
(A) Monday (B) Tuesday
(C) Wednesday (D) Thursday
25. Which of the following is the correct statement?
(A) Biology day is after Chemistry day
(B) Physics day is on Wednesday
(C) Play day is on Monday
(D) Chemistry day is earlier than Physics day

Instructions for Question 26 to Question 30: Read the information given below to answer the questions.

A, B, C, D, E, F, G and H want to have a dinner on a round table and they have worked out the following seating arrangements.

- (a) A will sit beside C.
(b) H will sit beside A.
(c) C will sit beside E.
(d) F will sit beside H.
(e) E will sit beside G.
(f) D will sit beside F.
(g) G will sit beside B.
(h) B will sit beside D.
26. Which of the following is wrong?
(A) A will be to the immediate right of C
(B) D will be to the immediate left of B
(C) E will be to the immediate right of A
(D) F will be to the immediate left of D
27. Which of the following is correct?
(A) B will be to the immediate left of D
(B) H will be to the immediate right of A
(C) C will be to the immediate right of F
(D) B will be to the immediate left of H

28. A and F will become neighbours if:
- (A) B agrees to change her sitting position
 - (B) C agrees to change her sitting position
 - (C) G agrees to change her sitting position
 - (D) H agrees to change her sitting position

29. During sitting:
- (A) A will be directly facing C
 - (B) B will be directly facing C
 - (C) A will be directly facing B
 - (D) B will be directly facing D

30. H will be sitting between:
- (A) C and B
 - (B) A and F
 - (C) D and C
 - (D) E and G

Instructions for Question 31 to Question 33: Choose the set of three statements where the third statement can be logically derived from the preceding two.

31. Statements:
1. Some students love reading.
 2. Some adults do not love reading.
 3. Some students are not adult.
 4. Some students are adult.
 5. No reading lover is an adult.
 6. Some men do not love reading.

The set of statements is:

- (A) 1, 3, 4
- (B) 1, 5, 3
- (C) 1, 2, 4
- (D) 6, 2, 4

32. Statements:
1. All boys need books.
 2. All girls need books.
 3. Punjabis are girls.
 4. Some Punjabis need book.
 5. All boys are girls.
 6. Some boys are Punjabis.

The set of statements is:

- (A) 5, 4, 1
- (B) 2, 5, 3
- (C) 6, 5, 3
- (D) 5, 2, 1

33. Statements:

1. All human beings need education.
2. All teachers need training.
3. Education is provided by the teachers.
4. X is a teacher.
5. X needs training.
6. Students are future of a nation.

The set of statements is:

- | | |
|-------------|-------------|
| (A) 1, 2, 5 | (B) 2, 3, 4 |
| (C) 2, 4, 5 | (D) 4, 5, 6 |

Instructions for Question 34 to Question 36:

Each of the following questions has a main statement followed by four statements: 1, 2, 3, 4. Choose the ordered pair of statements where the first statement implies the second, and the two statements are logically consistent with the main statement.

34. Main statement: Only if the teaching standard is destroyed, will examination result be poor.

1. Examination result is poor.
2. Teaching standard is not destroyed.
3. Examination result is not poor.
4. Teaching standard is destroyed.

The ordered pair of statements is:

- | | |
|----------|----------|
| (A) 2, 3 | (B) 2, 4 |
| (C) 1, 3 | (D) 1, 2 |

35. Main statement: The computer will not work if operating system fails.

1. Operating system fails.
2. Operating system does not fail.
3. The computer does not work.
4. The computer works.

The ordered pair of statements is:

- | | |
|----------|----------|
| (A) 2, 1 | (B) 2, 3 |
| (C) 1, 4 | (D) 4, 2 |