

## GENERAL INTELLIGENCE & REASONING

**Directions (Qns. 1-5):** Study the following information and answer the questions given below:

Eight friends A, B, C, D, E, F, G and H are sitting around a circular table and facing the centre. D sits second to the right of G. A sits third to the right of B and second to the left of C. E and F are immediate neighbours but none of them is an immediate neighbour of A. H is second to the right of F.

1. Who among the following is third to the left of H?  
A) F                                      B) E  
C) C                                        D) B  
E) None of these
2. In which of the following groups of people is the third person sitting in the middle of the first and the second person?  
A) B,F,G                                  B) A,H,G  
C) B,C,F                                  D) C,E,F  
E) None of these
3. Which of the following pairs represent the immediate neighbours of C?  
A) D,A                                    B) F,E  
C) E,D                                    D) B,E  
E) None of these
4. Starting from A, if all the persons are made to sit in alphabetical order of their names in clockwise direction, the positions of how many will remain unchanged excluding A?  
A) None                                    B) One  
C) Two                                    D) Three  
E) None of these
5. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?  
A) D,E                                    B) C,G  
C) B,C                                    D) H,E  
E) H,C

**Directions (Qns. 6-10):** Following questions are based on the five words given below:

SUN DIP RAT SHE LOC

(The new words formed after performing the mentioned operations may or may not necessarily be a meaningful English word.)

6. If the given words are arranged in the order as they appear in a dictionary from left to right, which of the following will be the fourth from the left?  
A) SUN                                    B) DIP  
C) SHE                                    D) RAT  
E) LOC
7. How many letters are there in the English alphabetical series between the third letter of the word which is second from the right and the second letter of the word which is second from the left ?  
A) Two                                    B) Three  
C) Four                                    D) Five  
E) None of these
8. If the second alphabet in each of the words is changed to the next alphabet in the English alphabetical order how many words thus formed will be without any vowels ?  
A) None                                    B) One  
C) Two                                    D) Three  
E) Four
9. If the position of the first and the third alphabet of each of the words are interchanged, which of the following will form a meaningful word in the new arrangement ?  
A) SUN                                    B) SHE  
C) RAT                                    D) LOC  
E) None of these

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10. If each of the given words, each of the consonants is changed to its previous letter and each vowel is changed to its next letter in the English alphabetical series, in how many words thus formed will at least one vowel appear ?

- A) None                      B) One  
C) Two                        D) Three  
E) None of these

*Directions (Qns. 11-15): In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer*

- A) if only conclusion I is true.  
B) if only conclusion II is true.  
C) if either conclusion I or II is true.  
D) if neither conclusion I nor II is true.  
E) if both conclusions I and II are true.

11. Statements:

$$X < Y \geq Q = T, R > X$$

- Conclusions:            I.  $R \geq Y$   
                              II.  $Y \geq T$

12. Statements:

$$M \geq N \geq P > T, E < V = M$$

- Conclusions:            I.  $V \geq P$   
                              II.  $E \geq N$

13. Statement:

$$L > N \geq M = T \geq P = Q$$

- Conclusions:            I.  $L > P$   
                              II.  $Q \leq N$

14. Statement:

$$A = D \geq C < E = G$$

- Conclusions:            I.  $G \geq D$   
                              II.  $A > G$

15. Statement:

$$K \leq L = P < N = T > D$$

- Conclusions:            I.  $K < T$   
                              II.  $L > D$

*Directions (Qns. 16-20): Study the following arrangement carefully and answer the questions given below:*

4 2 5 8 7 4 1 6 4 9 5 1 3 2 9 2 5  
2 9 1 2 5 3 6 8 2 4 9 3 1 6 2 4 5

16. How many such 4's are there in the above arrangement each of which is immediately followed by a perfect square ?

- A) None                      B) One  
C) Two                        D) Three  
E) None of these

17. If all the odd digits are deleted from the above arrangement, which of the following digits will be eleventh from the right end of the arrangement ?

- A) 8                              B) 2  
C) 1                              D) 6  
E) None of these

18. Which of the following digits is eighth to the left of the eighteenth digit from the right end of the above arrangement ?

- A) 9                              B) 5  
C) 4                              D) 2  
E) None of these

19. How many such 9's are there in the above arrangement each of which is immediately preceded by an even digit and immediately followed by an odd digit ?

- A) None                      B) One  
C) Two                        D) Three  
E) None of these

20. How many 2's are there in the above arrangement each of which is immediately preceded by a digit which has a numerical value less than 2's square ?

- A) None                      B) One  
C) Two                        D) Three  
E) None of these

21. In a certain code language SERIES is written as QCGTGU. How is EXPERT written in that code language?

- A) VTGRZG                      B) RPCRZG  
C) GZRCPR                      D) RPCGZR  
E) None of these

22. Which of the following will come in place of question mark (?) in the given series ? AC EH JN ?

- A) PU                              B) QU  
C) NS                              D) MS  
E) None of these

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23. How many such pairs of letters are there in the word **COMPOSE** each of which has as many letters between them in the word as they have between them in the English alphabetical series ?

- A) None
- B) One
- C) Two
- D) Three
- E) None of these

24. If each vowel of the word **CITIZEN** is changed to the next letter in the English alphabetical series and each consonant is changed to the previous, letter in the English alphabetical series and then the alphabets thus obtained are arranged in alphabetical order from left to right, which of the following will be fourth from the left ?

- A) F
- B) M
- C) J
- D) S
- E) None of these

25. The position of how many digits in the number **421368** will remain unchanged if the digits within the number are written in ascending order from left to right ?

- A) None
- B) One
- C) Two
- D) Three
- E) None of these

*Directions (Qns. 26-30): In each question below are given two statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions, and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts. Give answer*

- A) if only conclusion I follows.
- B) if only conclusion II follows.
- C) if either conclusion I or II follows.
- D) if neither conclusion I nor II follows.
- E) if both conclusions I and II follow.

26. **Statements:**

Some books are copies.  
No copy is a paper.

**Conclusions:**

- I. Some books are not papers.
- II. No paper is a copy.

27. **Statements:**

Some files are cards.  
All cards are sheets.

**Conclusions:**

- I. All cards are files.
- II. Some files are sheets.

28. **Statements:**

All streets are roads.  
No street is a highway.

**Conclusions:**

- I. Some roads are not highways.
- II. Some highways are not streets.

29. **Statements:**

No clip is a fan.  
All pins are fans.

**Conclusions:**

- I. Some fans are clips.
- II. Some pins are clips.

30. **Statements:**

All caps are shirts.  
All shirts are watches.

**Conclusions:**

- I. All caps are definitely watches.
- II. Some watches are not shirts.

*Directions (Qns. 31-35): Study the following information carefully and answer the questions given below:*

Seven friends A, B, C, D, E, F and G live in a building but not necessarily in the same order. The building has seven floors and only one person lives on each floor. The ground floor is numbered A and the floor above it is numbered B and so on and the topmost is numbered 7. C lives below only E and A but he lives immediately above G. D lives immediately above B, who does not live on the first floor. E does not live on the topmost floor.

31. **Who among the following lives on the topmost floor ?**

- A) A
- B) E
- C) G
- D) F
- E) None of these

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32. How many persons live between A and D ?  
 A) One                      B) Two  
 C) Three                    D) Four  
 E) None of these
33. How many persons live below the floor on which G lives ?  
 A) None                      B) One  
 C) Two                        D) Three  
 E) None of these
34. D lives on which of the following floors ?  
 A) Second                    B) Third  
 C) Sixth                      D) Fifth  
 E) None of these
35. Who among the following lives first floor ?  
 A) F                            B) B  
 C) G                            D) D  
 E) None of these

*Directions (Qns. 36-38): Study the following information carefully and answer the questions given below:*

A family consists of six members P, Q, R, S, T and U. Q is son of R, T is brother of R. S is daughter of P. R is not mother of Q. P and R are married couple. U is brother of Q.

36. How many male members are there in the family?  
 A) Two                        B) Three  
 C) Four  
 D) Can't be determined  
 E) None of these
37. Who among the following is mother of Q ?  
 A) T                            B) P  
 C) S  
 D) Can't be determined  
 E) None of these
38. Who among the following is a pair of females?  
 A) P,S                        B) Q,S  
 C) T,U                        D) P,T  
 E) None of these

*Directions (Qns. 39-43): Study the following information carefully and answer the questions given below:*

Five friends L, M, P, Q and R like five different types of watches, viz Titan, Sonata, Q&Q, HMT

and Fastrack, five different type of cars, viz WagonR, Alto, Santro, Swift and Micra and also five different types of pens, viz Linc, Reynolds, Parker, Cello and Montex.

- Q likes WagonR but does not like Parker or HMT.
  - L likes Sonata and Reynolds but he does not like Micra. M likes Micra and Q & Q.
  - R likes Santro and Cello.
  - The person who likes WagonR also likes Fastrack.
  - Linc pen is liked by the person who likes Swift and HMT.
39. Who among the following likes Montex pen?  
 A) P                            B) Q  
 C) R                            D) M  
 E) None of these
40. Which of the following cars is liked by L?  
 A) Alto                        B) Micra  
 C) Santro                     D) Swift  
 E) None of these
41. Who among the following like Parker pen and Fastrack respectively?  
 A) L, Q                        B) R, P  
 C) M, Q                        D) M, R  
 E) None of these
42. Titan is liked by which of the following persons?  
 A) L                            B) M  
 C) Q                            D) R  
 E) None of these
43. Which of the following combinations is/are true?  
 A) R-HMT -Swift- Linc  
 B) Q - Fastrack - WagonR - Montex  
 C) M - Q&Q - Santro - Cello  
 D) Only A) and C) are true  
 E) None of these
44. T is to the west of P and to the south of C. L is to the northeast of T and to the north of P. In which direction is C with respect to L?  
 A) East                        B) West  
 C) South  
 D) Can't be determined  
 E) None of these