



ADITYA COLLEGE OF COMPETITIVE EXAMS

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REASONING ABILITY & COMPUTER APTITUDE

No. of Questions : 25 (26 - 50)

Marks : 25

Time : 20 minutes.

Directions (26 - 30) : Study the following information carefully and answer the questions given below:

A, B, C, D, E, F, G and H are sitting around a circular table facing the centre. C sits third to the right of B and H sits between C and G. G is second to the right of A. E is the neighbor neither of A nor of C.

26. Who among the following is second to the left of B?
 1) A 2) F 3) D 4) Can't be determined 5) None of these
27. What may be H's position with respect to D?
 1) Fourth to the left 2) Second to the left 3) Third to the right
 4) Either 1 or 2 5) None of these
28. If D is exactly between A and E, then who among the following is on the immediate right of C?
 1) F 2) G 3) H 4) B 5) None of these
29. In which of the following pairs does the second person sit third to the right of the first person?
 1) G, C 2) E, B 3) D, H 4) A, F 5) None of these
30. Which of the following statement is/are true about E?
 1) E sits third to the right of A 2) E sits opposite G 3) E is on the immediate right of F.
 4) All are true 5) None of these
31. **Statements :** Some light are sound. All sounds are air. No air is dust.

Conclusions :

(I) All dust being light is a possibility.

(II) All light being air is a possibility.

(III) All sound being light is a possibility

1) Only conclusion I does not follow.

2) Only conclusion II does not follow.

3) Only conclusion III does not follow.

4) Both conclusions I and II does not follow.

5) None of these

32. **Statements :** Some Oranges are Apples All apples are grapes No grape is a Banana

Conclusions :

(I) All Bananas are grapes

(II) Some Oranges being Banana is a possibility

(III) All grapes are apples

(IV) Some grapes are definitely Banana

1) Only I follows

2) Only II follows

3) Only III and IV follow

4) All follow

5) None follows

33. **Statements :** All dogs are cats. No cat is Pig. All Pigs are Monkeys.

Conclusions :

(I) All dogs being monkeys is a possibility.

(II) All monkeys being cat is a possibility.

1) Only conclusion I follows

2) Only conclusion II follows

3) Either conclusion I or II follows

4) Neither conclusion I nor II follows

5) Both conclusion I and II follow

34. **Statements :** Some P are Q. Some Q are R. All R are S. Some S are T.

Conclusions :

(I) Some P are not R.

(II) Some S are R.

(III) Some P are S.

(IV) At least some R are T.

1) Only II and III follow

2) All follow

3) Only II follows

4) None follows

5) None of these

35. **Statements :** All Books are Pens Some Pens are Pencils No pencil is Marker All Markers are Boxes

Conclusions :

(I) No Book is Box

(II) No Marker is Pen

(III) Some Books are Boxes

(IV) Some Markers are Pens

1) Either (I) or (III) follows

2) Either (II) or (IV) follows

3) Both (1) and (2) follow

4) All follow

5) None Follows

Directions (36 - 38) : Read the following information carefully and answer the questions given below

A + B means A is the daughter of B.

A - B means A is the husband of B.

A * B means A is the brother of B.

36. If P + Q - R, which of the following is true?
 1) R is the mother of P 2) R is the sister in law of P 3) R is the aunt of P
 4) R is the mother in law of P 5) None of these

37. If $P * Q + R$, which of the following is true?
 1) P is the brother of R 2) P is the uncle of R 3) P is the son of R
 4) P is the father of P 5) None of these
38. If $P + Q * R$, which of the following is true?
 1) P is the niece of R 2) P is daughter of P 3) P is the cousin of R
 4) P is the daughter in law of R 5) None of these
39. If $A \$ B$ means 'A is father of B', $A \# B$ means 'A is daughter of B', $A @ B$ means 'A is sister of B', then how is K related to M in $H @ K \$ L \# M$?
 1) Husband 2) Uncle 3) Father 4) Cannot be determined 5) None
40. If $A+B$ means A is the sister of B; $A-B$ means A is the brother of B; $A*B$ means A is the daughter of B, which of the following shows the relation that E is the maternal uncle of D?
 1) $D + F * E$ 2) $D - F * E$ 3) $D * F + E$ 4) $D * F - E$ 5) None of these

Directions (41 - 45) : In the following questions, the symbols %, *, @, \$ and # are used with the following meaning as illustrated below:

$P @ Q$ – P is neither greater than nor equal to Q

$P \% Q$ – P is neither smaller than nor equal to Q

$P \# Q$ – P is not greater than Q

$P \$ Q$ – P is not smaller than Q

$P * Q$ – P is neither smaller than nor greater than Q.

41. **Statements :** $A @ B$, $B \% C$, $C * D$, $D \$ E$
Conclusions : I. $B \% E$ II. $A \% E$
 1) Only conclusion I follows 2) Only conclusion II follows 3) Either conclusion I or II follows
 4) Neither conclusion I nor II follow 5) Both conclusion I and II follows
42. **Statements :** $A \% B$, $B * C$, $C \# D$, $D * E$
Conclusions : I. $A \% C$ II. $E \$ B$
 1) Only conclusion I follows 2) Only conclusion II follows 3) Either conclusion I or II follows
 4) Neither conclusion I nor II follow 5) Both conclusion I and II follows
43. **Statements :** $A * B$, $B \$ C$, $C \# D$, $D @ E$
Conclusions : I. $E * A$ II. $C \% A$
 1) Only conclusion I follow 2) Only conclusion II follow 3) Either conclusion I or II follows
 4) Neither conclusion I nor II follow 5) Both conclusion I and II follows
44. **Statements :** $A \$ B$, $B \$ C$, $C * D$, $D @ E$
Conclusions : I. $A \$ E$ II. $E \% C$
 1) Only conclusion I follow 2) Only conclusion II follow 3) Either conclusion I or II follows
 4) Neither conclusion I nor II follow 5) Both conclusion I and II follows
45. **Statements :** $A \% E$, $E @ C$, $C \% B$, $B * D$
Conclusions : I. $C \% D$ II. $B @ A$
 1) Only conclusion I follows 2) Only conclusion II follows 3) Either conclusion I or II follows
 4) Neither conclusion I nor II follow 5) Both conclusion I and II follows

Directions (46 - 50) : Read the following information carefully and answer the given questions carefully.

Seven persons i.e. P, B, Z, D, F, I, and R are reading different novels i.e. Tom Jones, Harry Potter, Le Rouge, Madame Bovary, Le pere, Moby-Dick and Pride Prejudice, but not in same order. Also they like different Novelist i.e. Robert Black, J. K. Rowling, Kingsley, Judy, Robert Boge, Elizabeth Von, and Daisy Ashford but not in same order.

D reads Le pere novel but does not like Robert Boge. The one who reads Le Rouge, likes Daisy Ashford. B likes Judy. The one, who reads Harry Potter is F, who does not like Robert Boge and Kingsley. I likes Elizabeth Von. The one who likes Robert Boge is not R. D does not like Robert Black. Z reads Madame Bovary but does not like J. K. Rowling and Robert Black. The one who likes Robert Boge, is not Z. The one who reads Tome jones, likes Robert Boge. The one who reads Pride Prejudice is not F. B does not read Pride Prejudice.

46. Who among the following likes Robert Black?
 1) I 2) B 3) Z 4) F 5) D
47. Who reads Le Rouge?
 1) R 2) D 3) P 4) I 5) Z
48. Who among the following likes J.K. Rowling?
 1) P 2) I 3) D 4) R 5) B
49. The one who reads Moby-dick, is?
 1) R 2) B 3) P 4) I 5) D
50. Who among the following likes Kingsley and reads Pride prejudice respectively?
 1) Z, P 2) I, F 3) Z, I 4) Z, B 5) D, F