

1. Which of the following expression is definitely true based on:

$$P < Q \leq R = S \geq T; U \geq S < V; Q > W < X$$

1.  $U > Q$       2.  $U > W$   
 1. Only 1                      2. Only 2  
 3. Both 1 and 2      4. Either 1 or 2      5. None

2. In which of these expressions “ $Y > Z$ ” be definitely false?

1.  $Y > A \geq B = C \geq D > Z$   
 2.  $A < B \leq Y \leq D; Z \geq P > D$   
 3.  $Z \leq A \leq B = C < Y$   
 4.  $Y > M \geq N \leq O; Z < N$   
 5.  $Y > A = B \geq C; Z < Q = C$

3. In which of these expressions “ $A > B$ ” and “ $A = B$ ” be definitely false?

1.  $A \geq C \geq B > D = E \geq F > G$   
 2.  $B < C \leq D \leq A; E \geq F > A$   
 3.  $D \leq E \leq F = G < H$   
 4.  $D > E \geq F \leq G = B \leq H = A$   
 5.  $M > A = C \geq B; E < F = B$

**Directions (4-8):** Based on the given data answer the following questions:

- ‘ $P ! Q$ ’ means ‘ $P$  is not smaller than  $Q$ ’  
 ‘ $P @ Q$ ’ - ‘ $P$  is neither smaller than nor equal to  $Q$ ’  
 ‘ $P \# Q$ ’ - ‘ $P$  is neither greater than nor equal to  $Q$ ’  
 ‘ $P\$Q$ ’ - ‘ $P$  is neither smaller than nor greater than  $Q$ ’  
 ‘ $P \% Q$ ’ means ‘ $P$  is not greater than  $Q$ ’

4. Which of the given symbols can be placed in blank spaces respectively (in the same order from left to right) such that all the three expressions  **$A\$B$** ,  **$C\#A$**  and  **$D@C$**  definitely holds true?

- E \_ C \_ B \_ D \_ A**  
 1. !, #, \$, %      2. #, #, %, %  
 3. !, #, %, \$      4. Either 1 or 2 or 3  
 5. None of these

5. Which of the given symbols can be placed in blank spaces respectively (in the same order from left to right) such that all the expression  **$A @ B$**  is definitely true and Either  **$B \$ C$**  or  **$B \# C$**  is true?

- C \_ D \_ B \_ E \_ A**  
 1. \$, !, @, #      2. \$, \$, #, %      3. !, !, %, %  
 4. !, \$, %, \$      5. \$, !, #, %

6. Which of the given symbol must be placed in blank which is between  $Q$  and  $R$  such that all the three expressions  **$T @ R$** ,  **$Q \# T$**  and  **$S @ P$**  definitely holds true?  **$P \leq Q < R _ S \leq T$**

1. !      2. @      3. #      4. \$      5. %

**7. STATEMENTS:**

$$A ! B; C @ D; A ! E; B ! C; F \$ B$$

**CONCLUSIONS:**

1.  $C @ E$       2.  $E @ B$       3.  $B @ D$       4.  $F @ A$   
 1. 1 is true      2. 2 is true      3. 3 is true  
 4. 4 or 3 is true      5. None of these

8. What symbol will come in between  $B$  and  $C$  such that all the given expressions  **$D@B$** ,  **$B!C$** ,  **$B\%D$** ,  **$A!C$**  are definitely false?  **$A!B _ C\%D$**

1. !      2. @      3. #      4. \$      5. %

9. Which of the following expression is definitely true based on  **$A < B \leq C = D \geq E; F > D < G; B > H < I$** ?

1.  $F > B$       2.  $B > G$       3.  $F > H$   
 1. 1 is true      2. 2 is true      3. 3 is true  
 4. 1 or 3 is true      5. None of these

**Direction (10-19):** Relationship between different elements is shown in the statements. Find if the conclusions also follow or not.

**10. Statements:**  $A > L \geq H > M = D < G \leq F; U \leq K = P > M; N = K < S$

- Conclusions: I.  $A > S$       II.  $A = S$**   
 1. Only I follows      2. Only II follows  
 3. Either I or II follows      4. Neither I nor II follow  
 5. Both I and II follow

**11. Statements:**  $B < G \leq V = F > H; K = L > F \leq N = P; D > N = S$

- Conclusions: I.  $H < S$       II.  $B < P$**   
 1. Only I follows      2. Only II follows  
 3. Either I or II follows      4. Neither I nor II follow  
 5. Both I and II follow

**12. Statements:**  $V < L = D < K \geq H > S; P \leq K = D > E; K = F \leq Z$

- Conclusions: I.  $Z > L$       II.  $E < V$**   
 1. Only I follows      2. Only II follows  
 3. Either I or II follows      4. Neither I nor II follow  
 5. Both I and II follow

**13. Statements:**  $K = L < D \leq G = P; U > E = D \geq X \leq B; P > O \geq V < S$

- Conclusions: I.  $V < X$       II.  $P \geq X$**   
 1. Only I follows      2. Only II follows  
 3. Either I or II follows      4. Neither I nor II follow  
 5. Both I and II follow

**14. Statements:**  $K = L < D \leq G = P; U > E = D \geq X \leq B; P > O \geq V < S$  **Conclusions: I.  $U > K$       II.  $P > B$**

1. Only I follows      2. Only II follows  
 3. Either I or II follows      4. Neither I nor II follow  
 5. Both I and II follow

15. **Statements:**  $B < G \leq V = F > H$ ;  $K = L > F \leq N = P$ ;  $D > N = S$

**Conclusions:** I.  $L > G$  II.  $D > K$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

16. Which of the following would replace  $\&$  and  $\#$  in the following expression so that ' $A > N$ ' holds true?  $A \geq L \geq H \& M = D < G \leq F$ ;

$U \leq K = M > P$ ;  $N \# K < S$

1.  $=, =$
2.  $\geq, >$
3.  $>, \geq$
4.  $<, =$
5. None

17. In which of the following expressions does the expression ' $G < S$ ' definitely hold true?

1.  $A = S < F \geq H = K > G > D$
2.  $D > A = G \geq B = F \leq S < H$
3.  $A < O > G < H = H < S \geq B$
4.  $G = U \leq B = S \leq H = O < A$
5. None

18. In which of these expressions ' $L \geq R$ ' is definitely false?

1.  $W < R \geq S \geq Q < N > A \geq L > V$
2.  $N > L > M = D \geq B = A > P = R$
3.  $M \leq A > L > W \geq V \leq B = P < R$
4.  $S > L = C \geq H = V \geq P \leq R = T$
5.  $B > R \leq A = M = Q \leq T = L < G$

19. Which of the following expressions is definitely false if the expression  $K > O = G \leq D \geq F = P \geq Q < T$  is definitely true?

1.  $K > D$
2.  $F \geq T$
3.  $F < G$
4.  $D = Q$
5.  $P < O$

**Direction (20-29):** Relationship between different elements is shown in the statements. Find if the conclusions also follow or not.

20. **Statements:**  $H \geq O = U \geq B < L = P$ ;  $D < N = B \geq S > K$

**Conclusions:** I.  $K < L$  II.  $H \geq K$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

21. **Statements:**  $B < N = T \geq G > H = F$ ;  $G > L = D > V$ ;  $L > W = A$

**Conclusions:** I.  $A < H$  II.  $V < B$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

22. **Statements:**  $F \geq V = T \geq G < L \leq D = S$ ;  $E = Q < T \leq N$ ;  $Q > P = W$

**Conclusions:** I.  $D > N$  II.  $F > W$

1. Only I follows
2. Only II follows

3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

23. **Statements:**  $N > D \geq F > J$ ;  $E < L \leq G < S < P < F$ ;  $G > W$

**Conclusions:** I.  $W < J$  II.  $J \leq W$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

24. **Statements:**  $H > L = G \geq S < L \leq W$ ;  $S > W > P = R \leq V$ ;  $P < X = O$

**Conclusions:** I.  $W > R$  II.  $O > R$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

25. **Statements:**  $V < E = D = W \geq L$ ;  $F \geq S = D < K$ ;  $L \geq R = H \geq B$

**Conclusions:** I.  $B < S$  II.  $B = S$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

26. Which of the following would replace  $\%$  and  $\#$  in the following expression so that ' $A \leq B$ ' holds true?  $Q < D \% S \geq A = W$ ;  $B \geq P \# D = Z > X$

1.  $>, \leq$
2.  $\geq, >$
3.  $\geq, \geq$
4.  $>, =$
5. None of these

27. In which of the following expressions does the expression ' $B \leq H$ ' and ' $A > G$ ' definitely hold true?

1.  $A = B < F \geq H = K > G > D$
2.  $D > A = G \geq B = F \leq G < H$
3.  $A < O > G < H = H \geq S \geq B$
4.  $G = U \leq B = E \leq H = O < A$
5. None of these

28. In which of these expression ' $L > P$ ' is definitely true?

1.  $W < P \geq S \geq Q < N > A \geq L > V$
2.  $N > L > M = D \geq B = A > P = R$
3.  $M \leq A > L > W \geq V \leq B = P < S$
4.  $S > L = C \geq H = H \geq P \leq Q = T$
5.  $B > L \leq A = M < Q \leq T = P < G$

29. In which of these expression ' $A > P$ ' is definitely true?

1.  $W < P \geq S \geq Q < N > A \geq R > V$
2.  $N > A > M = D \geq B = L > P = R$
3.  $M \leq A > L > W \geq V \leq B = P < S$
4.  $S > A > = C \leq H = P \leq Q = T = K$
5.  $B > L \leq A > M \geq Q < T > P < G$

**Direction (30-34):** Relationship between different elements is shown in the statements. Find if the conclusions also follow or not.

30. **Statements:**  $A > B \geq F = P < L < G$ ;  
 $F = E > M \geq S$ ;  $M \leq D = U$

**Conclusions:** I.  $A > M$  II.  $D < L$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

31. **Statements:**  $L < G \leq D > P = E > R$ ;  
 $S > D < W = J$ ;  $M \geq K \geq Y > J$

**Conclusions:** I.  $R < S$  II.  $M > E$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

32. **Statements:**  $P \leq D = O < M \leq B$ ;  $L \geq S = E \geq$   
 $P$ ;  $M \leq L \geq C = R$

**Conclusions:** I.  $D \geq L$  II.  $L > D$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

33. **Statements:**  $K = F > S < V \leq E$ ;  $N = P < V \leq$   
 $M = Q$ ;  $G > N \geq X = B$

**Conclusions:** I.  $E \geq B$  II.  $E < B$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

34. **Statements:**  $A = S > D \geq F < G$ ;  
 $D < H \leq P > K$ ;  $R > L = P \geq U$

**Conclusions:** I.  $A > L$  II.  $L < S$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

35. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that both ' $M > F$ ' as well as ' $S \geq J$ ' definitely true?  $M\_N\_J\_F\_C\_S$

1.  $\geq, >, =, \leq, <$
2.  $\geq, \geq, =, \leq, \leq$
3.  $\geq, >, >, \leq, \leq$
4.  $\geq, >, =, \leq, \leq$
5.  $\geq, >, <, \leq, \leq$

36. In which of the following expressions does the expression ' $N < H$ ' and ' $F > G$ ' definitely hold true?

1.  $P = N < F \geq H = K > G > D$
2.  $D > A \leq G \geq N = F \leq G < H$
3.  $W < O > G < H = F \geq S > N$
4.  $S \leq G < N = A \leq F \leq X \leq H$
5.  $G \geq H \geq F = A \geq N = K < G$

37. Which of the following symbols should replace the question mark (?) in the given expression in order to make the expression ' $J < N$ ' definitely true?  $B > M > J \leq G = Y ? L = N < S$

1.  $>$
2.  $<$
3.  $\leq$
4.  $=$
5. Either  $<$  or  $\leq$

38. In which of these expression ' $A < P$ ' is definitely false?

1.  $W < P \geq S \geq Q = N > A \geq R > V$
2.  $N > A > M = D \geq B < L < P = R$
3.  $M \leq A > L > W \geq V \leq B = P < S$
4.  $S > A > = C \leq H = P \leq Q = T = K$
5.  $B > L \leq A > M \geq Q = T > P < G$

39. Which of the following expressions is definitely false if the expression  $E > O = G \leq K > F = W \geq Q < T$  is definitely true?

1.  $O > F$
2.  $Q < G$
3.  $K \geq Q$
4.  $T > F$
5.  $F < E$

40. Which of the following expressions is definitely false if the expression  $F > M > E = U \geq H < L > O < P \leq G$  is definitely true?

1.  $H > O$
2.  $L < E$
3.  $U = L$
4.  $O < G$
5.  $M \leq P$

41. Which of the following expressions is definitely true if the expression  $F = P \leq K = E > H > U < R = Q$  is definitely true?

1.  $U = Q$
2.  $F > H$
3.  $H > Q$
4.  $P \leq H$
5.  $U < K$

42. Which of the following symbols should be placed in the blank space in order to complete the given expression in such a manner that ' $G > H$ ' definitely true?  $P > C = D \geq H ? E = W \leq V = G$

1.  $\geq$
2.  $=$
3.  $<$
4.  $>$
5.  $\leq$

43. Which of the following should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that makes the expression ' $A \leq B$ ' definitely false?

$\_ = \_ \leq \_ \geq \_ > \_ = \_$

1. A, E, P, B, W, M
2. Q, B, P, K, A, S
3. A, V, B, P, X, M
4. V, K, B, P, D, A
5. None of these

44. Which of the following expressions is true if the expression  $E > O \leq R = W < L > Q < T$  is definitely true?

1.  $E > W$
2.  $W < T$
3.  $L > O$
4.  $L > E$
5.  $W \geq E$

45. **Statements:**  $N < A \leq G = F \geq B$ ;  $W \geq F < S$ ;  $J \geq A$

**Conclusions:** I.  $W \geq J$  II.  $B < S$

1. Only I is true
2. Only II is true
3. Either I or II true
4. Neither I nor II is true
5. Both I and II are true

46. **Statements:**  $N < A \leq G = F \geq B$ ;  $W \geq F < S$ ;  
 $J \geq A$

**Conclusions:** I.  $A \leq B$  II.  $N < W$

1. Only I is true
2. Only II is true
3. Either I or II true
4. Neither I nor II is true
5. Both I and II are true

47. **Statements:**  $B > M = I \geq W < E \leq J$ ;  $E > S$ ;  $T < M$

**Conclusions:** I.  $J > S$  II.  $B \geq W$

1. Only I is true
2. Only II is true
3. Either I or II true
4. Neither I nor II is true
5. Both I and II are true

48. **Statements:**  $R \geq A = B$ ;  $C \leq F > B$ ;  $G > C = L$ ;

**Conclusions:** I.  $F > R$  II.  $G > A$

1. Only I is true
2. Only II is true
3. Either I or II true
4. Neither I nor II is true
5. Both I and II are true

49. **Statements:**  $H \leq A \geq B$ ;  $C > G = P$ ;

$Y < I = B \geq C$

**Conclusions:** I.  $P < I$  II.  $A > Y$

1. Only I is true
2. Only II is true
3. Either I or II true
4. Neither I nor II is true
5. Both I and II are true

50. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that both ' $A > V$ ' as well as ' $O > W$ ' definitely false?  $A\_E\_O\_V\_W$

1.  $<, <, >, =$
2.  $<, =, =, >$
3.  $<, =, =, <$
4.  $>, =, =, >$
5.  $>, >, =, <$

51. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that both ' $E > R$ ' as well as ' $W \leq M$ ' definitely true?  $E\_M\_A\_R\_W$

1.  $=, =, \geq, \geq$
2.  $>, \geq, =, >$
3.  $>, <, =, \leq$
4.  $>, =, =, \geq$
5.  $>, =, \geq, >$

52. Which of the following symbols should replace the questions mark (?) in the given expression in order to make the expression ' $J < N$ ' as well as ' $W \leq F$ ' definitely true?  $F \geq N = S ? W > J$

1.  $>$
2.  $<$
3.  $\leq$
4.  $\geq$
5. Either = or  $>$

53. Which of the following should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that makes the expression ' $B < P$ ' definitely false?  $\_\_ < \_\_ < \_\_ > \_\_$

1. A, E, P, B
2. Q, B, P, K
3. B, A, P, X
4. K, B, P, D
5. P, D, B, E

54. Which of the following expressions is true if the expression  $E > O = W > Q < T$  is definitely true?

1.  $O > T$
2.  $Q < E$
3.  $T > W$
4.  $Q = O$
5.  $T < E$

55. **Statements:**  $U > G = F \geq K = R < E$ ;  $F > P \leq S$ ;  
 $O = P \leq J > M$

**Conclusions:** I.  $U > S$  II.  $E > M$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

56. **Statements:**  $W > J = F \geq L \leq B > T$ ;  $W < Q = T \leq H$ ;  $D > I \geq Q$

**Conclusions:** I.  $L < H$  II.  $I > B$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

57. **Statements:**  $D = J \geq S > L < P = O$ ;  $O > M \geq D < A$ ;  $R = F \leq S$

**Conclusions:** I.  $P > D$  II.  $R \leq M$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

58. **Statements:**  $R > G < O \geq L = E > H$ ;  $D = H > B$ ;  $S > B = N \geq W$

**Conclusions:** I.  $O > S$ , II.  $O \leq S$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

59. **Statements:**  $H < G \leq F < D = T > S$ ;  $F > L \geq V = E$ ;  $V \geq P = Q$

**Conclusions:** I.  $Q < S$ , II.  $D > P$

1. Only I follows
2. Only II follows
3. Either I or II follows
4. Neither I nor II follow
5. Both I and II follow

60. In which of the following expressions does the expression ' $I > D$ ' and ' $A \leq G$ ' definitely hold true?

1.  $A \geq I \geq G = K > S > D$
2.  $A \leq D \geq M = F \leq G < I$
3.  $I \geq C > Q \geq A = G \geq D$
4.  $G \geq D = A < B \leq S \leq I$
5.  $D \geq E = G \geq W = A < I$



61. In which of these expressions 'A > P' and 'A = P' be definitely false?

1.  $W < S \geq P \geq Q = A \geq R > V$
2.  $X < A \leq S \leq T; X \geq L > P$
3.  $M \leq A \leq L = P < S$
4.  $S > F > = C \leq H = P \leq Q = T; F < A$
5. None of these

62. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that both 'A > S' as well as 'S ≤ B' definitely holds true?

**B \_ M \_ S \_ Q \_ A**

1. >, >, ≥, <
2. ≥, =, ≤, <
3. ≥, ≥, ≥, ≤
4. >, ≥, <, =
5. Other than those given as options

63. In which of these expressions 'Z > X' and 'X < B' be definitely false?

1.  $Z > P \geq Q < A \geq R > X > B$
2.  $P < K \leq Z \leq T; X \geq O > T = B$
3.  $B < X \leq A \leq K = R \leq Z$
4.  $Z > C > F \leq Q; B > X < F$
5.  $Z > T = O \geq P; B < X < J = N$

64. Which of the following expressions is true if the expression  $N < C < B > S > W \geq D$  is definitely true?

1.  $D \leq N$
2.  $S < N$
3.  $D < B$
4.  $W > N$
5.  $C \leq W$

65. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that both 'X > V' and 'Z < W' definitely holds true?

**X > U ≥ Z ? V ? T ≤ W**

1. >, <
2. =, =
3. =, <
4. >, =
5. ≥, ≤

66. Which of the following expressions is definitely true if the expressions  $M < T$  and  $P > R$  are definitely false?

1.  $K > M = R > S \leq T = P$
2.  $M \geq K > R = S < T \leq P$
3.  $K > M = R < S \leq T = P$
4.  $R = S \leq P > T \geq M = K$
5. None of these

67. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that 'T > R', 'P < S' and 'R ≤ M' definitely holds true?

**T > S ? C ≥ R ? P ? M**

1. >, >, <
2. >, =, <
3. ≥, =, ≤
4. >, =, ≤
5. Other than those given as options

68. If the expressions  $M > Y \geq N$  and  $Y < K, N = S$  are true. Which of the following expressions is not definitely true?

1.  $S < M$
2.  $M \geq K$
3.  $K > S$
4.  $N < K$
5. None of these

69. Which of the following expressions will definitely be true if the expressions 'X < Y = W' and 'Y > V' are true?

1.  $X = Z = W \leq T < Y \geq R > V$
2.  $X \leq Z < Y = W \geq R > V$
3.  $X \geq Z = Y > W < R > V$
4.  $X = Z > Y \geq W = R > V$
5. None of these

70. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that both 'R ≤ T' and 'S > V' definitely holds true?

**P > R = M ? S = T ? K ≥ V**

1. <, >
2. ≤, ≥
3. ≤, >
4. <, ≥
5. None of these

71. Which of the following expressions is definitely true if the expression  $U > N$  is definitely false and the expression  $W < P$  is definitely true?

1.  $T \geq U > W > M = N < P$
2.  $U < T \leq W = N < M \leq P$
3.  $W = U \geq T \geq P < N = M$
4.  $U > P = M < N > W = T$
5. None of these

72. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that 'N > K' definitely holds true?  $K _ L _ M _ N$

1. ≥, =, >
2. ≤, <, =
3. ≥, =, <
4. >, ≥, <
5. Other than those given as options

73. Which of the following expressions will definitely be true if the expressions 'L > R' and 'M ≤ N' are true?

1.  $K > M < S \leq N < R \geq D \leq L$
2.  $K = M > S \geq N = R \leq D < L$
3.  $K > M \geq S = N \leq R \leq D \leq L$
4.  $K \geq M \geq S \geq N < R < D \leq L$
5. None of these

74. In which of the following expressions will the expression 'A < D' be definitely true?

1.  $A \geq B = C < D$
2.  $A > B = C \geq D$
3.  $A < B = C \leq D$
4.  $A > B < C \leq D$
5. None of these

75. Which of the following expressions is true if the expression  $K < T \leq C > S > N \geq Z$  is definitely true?

1.  $Z \leq K$
2.  $S < K$
3.  $N > K$
4.  $Z < S$
5.  $T \leq N$

76. In Which of the following expressions does the expression ' $J \leq A$ ' to definitely hold true?

1.  $K \geq A \leq Q = P < S \leq J$
2.  $U \geq J \geq M = F \leq G \geq A$
3.  $A \geq C \geq Q \geq X = N \geq J$
4.  $G \geq A = M < X \leq S \leq J$
5.  $J \geq E = G \geq W = Y \geq A$

77. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that both ' $K > Q$ ' as well as ' $Q \leq D$ ' definitely holds true?

$D \_ A \_ Q \_ C \_ K$

1.  $>, \geq, <, =$
2.  $>, >, \geq, <$
3.  $\geq, \geq, \geq, \leq$
4.  $\geq, =, \leq, <$
5. Other than those given as options

78. In which of these expressions ' $S > D$ ' be definitely false?

1.  $S > L \geq Q = E \geq R > D$
2.  $P < A \leq S \leq T; D \geq O > T$
3.  $D \leq A \leq Q = R < S$
4.  $S > C \geq F \leq V; D < F$
5.  $S > T = W \geq P; D < J = P$

79. In which of these expressions ' $S > E$ ' be definitely false?

1.  $S > P \geq Q = G \geq R > E > K$
2.  $P < A \leq S \leq T; E \geq O > T < K$
3.  $K > E \leq A \leq L = R < S$
4.  $S > C \geq F \leq H; K > E < F$
5.  $S > T = O \geq P; K < E < J = P$

80. Which of the following expressions is true, if  $P > G$  and  $F < H$  are definitely true?

1.  $Q < P \geq B > D > F = G < H$
2.  $B \leq Q < H < D > P > F > G$
3.  $Q \leq H \geq B \geq D < G \geq P > F$
4.  $D \leq G > P \geq F > H \leq Q \leq B$
5.  $H \geq Q > D \geq B \geq P = G > F$

81. Which of the following is definitely true if  $P \leq V < S = G \geq Q \geq R > E$

1.  $Q > P$
2.  $S > R$
3.  $V > R$
4.  $S > E$
5.  $P < R$

82. Which of the following should replace the question mark so that  $E > D$  is definitely true?

$C = B > A \geq D \leq G ? F \leq E$

1.  $=$
2.  $>$
3.  $\leq$
4.  $<$
5.  $\geq$

83. Which of the following order of letters in the blanks makes the expression  $D > E$  is definitely true?  $\_ < \_ \leq \_ = \_ > \_$

1. B, C, D, E, A
2. A, B, C, E, D
3. D, B, A, C, E
4. E, C, A, B, D
5. C, A, D, B, E

84. What will come in place of question mark in following below such that both  $E < B$  and  $D \geq G$  are definitely true?  $A > B = C > D ? E \geq F = G$

1.  $\leq$
2.  $\geq$
3.  $=$
4.  $>$
5. Both B and C

**Directions (85-94):** In the following questions, the symbols %, @, #, \$ and \* are used with the following meaning as illustrated below:

'P#Q' - 'P is neither smaller than nor equal to Q'

'P\*Q' - 'P is neither greater than nor equal to Q'.

'P\$Q' means 'P is not greater than Q'.

'P%Q' means 'P is not smaller than Q'.

'P@Q' - P is neither smaller than nor greater than Q

85. In each of the following questions, mark answer according to above symbols and their meaning.

Which of the following does not make  $A \# C$  and  $D \$ F$  definitely not true?

1.  $A \% B \# C @ D \$ E \$ F$
2.  $A \# B @ C \$ D \$ E @ F$
3.  $A \% B \# C @ D \$ E * F$
4.  $A \% B \# C \# D @ E \$ F$
5. None of these

86. Which of the following makes  $C \$ E$  or  $B \% E$  definitely true?

1.  $A * B \$ C @ D \% E \# F$
2.  $A \# B \$ C \$ D @ E \# F$
3.  $A \# B \# C \% D \% E * F$
4.  $A @ B \% C @ D * E * F$
5. None of these

87. If " $A \% B \% C * D @ E \$ F$ " is true then which of the following is definitely not true?

- (i)  $A \# D$
- (ii)  $C * F$
- (iii)  $B \# D$
- (iv)  $D \# F$
1. Only (i)
2. Only (ii) and (iv)
3. Only (iv)
4. Only (i), (iii) and (iv)
5. All are true

88. Which of the following makes  $A * C$  and  $E \# B$  definitely true?

1.  $A * B \$ C @ D \% E \# F$
2.  $A * D \$ B * C @ E \# F$
3.  $A * B \# C \% D * E \$ F$
4.  $A @ B * D @ C \% E @ F$

89. What will come in place of blank in following below such that both  $A \% D$  and  $C \# F$  are definitely true?

$A \% B \% C \_ D \# E \% F$

- i) @
- ii) \*
- iii) %
- iv) \$

1. Only (i)
2. Only (ii) and (iv)
3. Only (i) and (iii)
4. Only (i), (iii) and (iv)
5. All are true

90. What will come in place of blank in following below such that both  $B * E$  and  $F \# B$  are definitely true?  $A @ B \$ C \_ D @ E * F \$ G$

1. @
2. \*
3. #
4. \$
5. None of these

91. Which of the following makes  $F \# D \$ B$  definitely true?

1.  $A @ B \$ C * D \# E * F$
2.  $A * B @ C \% D \# E * F$
3.  $A \% B * C \$ D @ E * F$
4.  $A \# B \% C @ D * E * F$
5. None of these

92. What will come in place of blank in following below such that both  $B \% E$  and  $D \$ G$  are definitely true?  $A \# B @ C \% D \_ E \$ F @ G$

1. %
2. \*
3. #
4. \$
5. @

93. Which of the following is definitely true if  $A \# B @ C \# D @ E \$ F$  is true?

- (i)  $C \# F$  (ii)  $F \% D$  (iii)  $B \% E$  (iv)  $E \# A$
1. Only (i)
  2. Only (ii) and (iii)
  3. Only (iv)
  4. Only (ii)
  5. Only (i), (ii) and (iii)

94. Which of the following does not make  $A \% B$  and  $D * F$  definitely not true?

1.  $A \% B \% C * D \$ E \# F$
2.  $A \% B \% C @ D * E * F$
3.  $A * B \% C @ D \$ E \$ F$
4.  $A \% B @ C \$ D @ E * F$
5. None of these

95. What should come in place of \$ and % respectively in the expression?

$V > K \$ J > O : J > B \% D > F > T$ , so that the expression  $V > F$  definitely hold true?

1.  $>, <$
2.  $<, =$
3.  $>, =$
4.  $\geq, <$
5.  $\leq, =$

96. In which expression of the following expressions does the expression ' $B < A$ ' not definitely hold true?

1.  $B < D = F < G; A = F < R \geq P$
2.  $B < D \leq F = G; A > F > R > P$
3.  $B = D < F > G; A \geq F < R < P$
4.  $B > D = F > G; A > F = R \geq P$
5.  $B < D = F \geq G; A > F = R < P$

97. What should come in place of @ and # respectively in the expression  $R > O \geq U \geq M @ Y; G > U \# F \leq E$  so that the expression  $E \geq Y$  definitely holds true?

1.  $>, =$
2.  $=, <$
3.  $=, \leq$
4.  $\geq, <$
5.  $\geq, >$

**Directions (98-104):** In each questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions. Study the conclusions. Study the conclusions based on the given statements and select answer

1. If only conclusion I true
2. If only conclusions II true
3. If either conclusion I or II is true
4. If neither conclusion I or II is true
5. If both I and II is true

98. **Statements:**  $S > M \geq A \leq Y < G; Q > A \geq D \geq U > Z$   
**Conclusions:** I.  $M > U$  II.  $M = U$

99. **Conclusions:** I.  $S > Q$  II.  $Z < G$

100. **Statements:**  $L \leq T \leq I \geq M < X; W < P \leq L \geq B \geq K$   
**Conclusions:** I.  $K \geq I$  II.  $X = W$

101. **Conclusions:** I.  $K \leq I$  II.  $X > W$

102. **Statements:**  $A = C \leq G = D \leq N; H > I \geq J < G$   
**Conclusions:** I.  $G > H$  II.  $A \geq I$

103. **Statements:**  $Q \geq S = U \leq Y \leq V; T = Z \geq M \geq Y \leq E$   
**Conclusions:** I.  $T \geq Y$  II.  $V = S$

104. **Statements:**  $O \geq L > N = J; M > O > U$   
**Conclusions:** I.  $J < M$  II.  $N > U$

105. **Statements:**  $A > B = C > D; B \leq G > H; C \leq F < M$   
**Conclusions:** I.  $F > D$  II.  $G < A$

106. **Conclusions:** I.  $H > C$  II.  $B < M$

107. **Statements:**  $U > W = X \geq V; W \geq T > Q; R \leq A \leq V$   
**Conclusions:** I.  $U > Q$  II.  $T < U$

108. **Conclusions:** I.  $W > R$  II.  $W = R$

107. **Statements:**  $L \geq O \geq D \leq C < Z; B \geq C > J$   
**Conclusions:** I.  $L > J$  II.  $B \geq Z$

108. **Statements:**  $L > I = N > P; I \geq R > K; N \leq E < Z$   
**Conclusions:** I.  $E > P$  II.  $R < L$

109. **Statements:**  $S > A = N \geq D; A \geq L > E; M \leq L \leq D$   
**Conclusions:** I.  $S > E$  II.  $L < S$

110. **Statements:**  $C > R \leq E = T; R < Y; U \geq E$   
**Conclusions:** I.  $C > Y$  II.  $U \geq Y$

**Directions (111-129):** In each questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions. Study the conclusions. Study the conclusions based on the given statements and select answer

'A \$ B' - A is neither greater than nor smaller than B  
 'A @ B' - 'A is neither greater than nor equal to B'  
 'A # B' means 'A is neither smaller nor equal to B'  
 'A \* B' means 'A is not smaller than B'  
 'A & B' means 'A is not greater than B'

1. If only conclusion I true
2. If only conclusions II true
3. If either conclusion I or II is true
4. If neither conclusion I or II is true
5. If both I and II is true

111. **Statements:** A \* B \$ O, C @ D \$ O  
**Conclusions:** I. A # C      II. A \$ C

112. **Statements:** P \$ Q @ S, W # V \$ Q  
**Conclusions:** I. S # V      II. P @ W

113. **Statements:** T & J \$ O, L @ M \$ T  
**Conclusions:** I. L @ T      II. O \* M

114. **Statements:** G \$ P # O, N @ I # P  
**Conclusions:** I. N # P      II. I # O

115. **Statements:** E # K # U \$ S, B & Y \$ K  
**Conclusions:** I. S \* B      II. S @ B

116. **Statements:** C \* E, E # G, G @ H, H & I  
**Conclusions:** I. I # G      II. C & H

117. **Statements:** P @ Q, Q \$ S, S # O, T \* W  
**Conclusions:** I. Q @ T      II. W # P

118. **Statements:** L # N, N & O, O \$ V, V @ R  
**Conclusions:** I. V \$ N      II. V # N

119. **Statements:** X \* Y, Y # Z, Z \$ G, G & J  
**Conclusions:** I. X # Z      II. Z & J

120. **Statements:** D # F & K, J @ L # K  
**Conclusions:** I. D # L      II. K \$ D

**ANS:**

1.2	2.2	3.2	4.4	5.5	6.3	7.3
8.2	9.3	10.4	11.5	12.1	13.2	14.1
15.5	16.1	17.3	18.5	19.4	20.1	21.4
22.2	23.4	24.5	25.3	26.3	27.4	28.2
29.2	30.1	31.5	32.2	33.4	34.4	35.4
36.3	37.2	38.5	39.3	40.4	41.5	42.3
43.3	44.3	45.2	46.2	47.1	48.4	49.5
50.3	51.4	52.4	53.5	54.2	55.4	56.4
57.5	58.4	59.2	60.4	61.4	62.2	63.2
64.3	65.3	66.1	67.4	68.2	69.2	70.3
71.2	72.2	73.5	74.3	75.4	76.3	77.4
78.2	79.2	80.1	81.4	82.4	83.5	84.5
85.3	86.2	87.4	88.2	89.3	90.2	91.4
92.5	93.4	94.3	95.3	96.4	97.3	98.3
99.2	100.4	101.1	102.4	103.1	104.1	105.1
106.2	107.4	108.5	109.5	110.4	111.1	112.5
113.5	114.2	115.3	116.1	117.4	118.3	119.5
120.4						

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