

## INEQUALITY

**Directions:** In these questions, relationship between different elements is shown in the statements. Some statements are followed by some conclusions. Choose the correct answer on the basis of information given below.

**1. Statements:**

$$B > A \geq T > F = Y \leq S < D$$

**Conclusions:**  $F < D$ ,  $A > S$

- A. Only conclusion I follows
- B. Either conclusion I or conclusion II follows
- C. Only conclusion II follows
- D. Both conclusions follow
- E. Neither conclusion I nor conclusion II follows

**2. Statements:**

$$Y < O \leq G \leq K = U > L > P$$

**Conclusions:**

$$O = U, U > O$$

- A. Only conclusion I follows
- B. Either conclusion I or conclusion II follows
- C. Only conclusion II follows
- D. Both conclusions follow
- E. Neither conclusion I nor conclusion II follows

**3. Statements:**

$$M < T < G \leq J = U > Y > R$$

**Conclusions:**  $G < U$ ,  $J > R$

- A. Only conclusion I follows
- B. Either conclusion I or conclusion II follows
- C. Only conclusion II follows

D. Both conclusions follow

E. Neither conclusion I nor conclusion II follows

**4. Statement:**

$$3 \geq 9 < 7 \leq 10 = 2 \leq 6$$

**Conclusions:** I.  $6 > 9$  II.  $9 \leq 2$

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Either conclusion I or conclusion II follows
- D. Both conclusions follow
- E. Neither conclusion I nor conclusion II follows

**5. Statement:**

$$P \leq R \leq C = S > Q > T$$

**Conclusions:** I.  $P < Q$  II.  $S \geq P$

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Either conclusion I or conclusion II follows
- D. Both conclusions follow
- E. Neither conclusion I or conclusion II follows

**6. Statements:**

$$L \geq Y \geq A < R, S > Q = A \geq I$$

**Conclusions:** I.  $S > Y$ , II.  $R > Q$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusions follow.
- D. Either conclusion I or conclusion II follows.
- E. Neither conclusion I nor II follows.

**7. Statements:**

$$M < A \leq P > X, P \geq B = C < Y,$$

$$C \geq D > F = L$$

**Conclusions:** I.  $P \geq D$ , II.  $M < C$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusions follow.
- D. Either conclusion I or conclusion II follows.
- E. Neither conclusion I nor II follows.

**8. Statements:**

$$J = X \leq U > Z, M = N \geq U = P, \\ L = O < N \geq T$$

**Conclusions:** I.  $J < N$ , II.  $O > U$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusions follow.
- D. Either conclusion I or conclusion II follows.
- E. Neither conclusion I nor II follows.

**9. Statements:**

$$H \geq V = O > R, X \leq D > Y > R, \\ Y > N = L < Z$$

**Conclusions:** I.  $O < D$ , II.  $R > N$

- A. Neither conclusion I nor II follows.
- B. Only conclusion I follows.
- C. Both conclusions I and II follow.
- D. Only conclusion II follows.
- E. Either conclusion I or II follows.

**10. Statements:**

$$C < R = X; M = L > O = C; X > \\ L = I$$

**Conclusions:** I.  $O = X$ , II.  $I < R$

- A. Neither conclusion I nor II follows.

B. Only conclusion I follows.

C. Both conclusions I and II follow.

D. Only conclusion II follows.

E. Either conclusion I or II follows.

**11. Statements:**

$$Y \geq P = O, P < R \leq J$$

**Conclusions:**  $R > Y$ ,  $J > O$

A. Only conclusion I follows.

B. Only conclusion II follows.

C. Both conclusion I and II follow.

D. Neither conclusion I nor conclusion II follows.

E. Either conclusion I or conclusion II follows.

**12. Statements:**

$$T > D \geq P, F \geq P = R$$

**Conclusions:**  $T > R$ ,  $D > F$

A. Only conclusion I follows.

B. Only conclusion II follows.

C. Both conclusion I and II follow.

D. Neither conclusion I nor conclusion II follows.

E. Either conclusion I or conclusion II follows.

**13. Statements:**

$$C < D, E \geq B, B > D, A = E$$

**Conclusions:**  $B > C$ ,  $A < D$

A. Either C1 or C2 follows

B. Only C1 follows

C. Only C2 follows

D. Both C1 and C2 follow

E. Neither C1 nor C2 follows

**14. Statement:**

$$M = X < Z \geq W = N \leq Q < T \leq V = \\ U$$

**Conclusions:** I.  $V \geq W$  II.  $T \neq U$

- A. Only C2 follows
- B. Only C1 follows
- C. Neither C1 nor C2 follows
- D. Both C1 and C2 follow
- E. Either C1 or C2 follows

**15. Statement:**

$$P \leq Q < S = T \geq U \geq W < Z$$

**Conclusion:** I.  $S > W$ , II.  $W = T$

- A. Only I follows.
- B. Only II follows.
- C. Both I and II follows.
- D. Either I or II follows.
- E. Neither I nor II follows.

**16. Statements:**

$$P \geq I, N < J, R > A = P, I = J$$

**Conclusions:**  $R \geq I, A > N$

- A. Only conclusion II follows.
- B. Only conclusion I follows.
- C. Both conclusion I and II follow.
- D. Neither conclusion I nor conclusion II follows.
- E. Either conclusion I or conclusion II follows.

**17. Statements:**

$$N > U \geq M = B, D \geq R \leq E > B$$

**Conclusions:**  $E > M, N < D$

- A. Only conclusion II follows.
- B. Only conclusion I follows.
- C. Both conclusion I and II follow.
- D. Neither conclusion I nor conclusion II follows.
- E. Either conclusion I or conclusion II follows.

**18. Statements:**

$$U < I, V = E, R \geq V, I < N < R$$

**Conclusions:**  $R > U, I \geq E$

- A. Only conclusion II follows.

- B. Only conclusion I follows.
- C. Both conclusion I and II follow.
- D. Neither conclusion I nor conclusion II follows.
- E. Either conclusion I or conclusion II follows.

**19. Statement:**

$$S > M = Z > T < Q > V$$

**Conclusions:**  $V = S, Q > M$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusion I and II follow.
- D. Neither conclusion I nor conclusion II follows.
- E. Either conclusion I or conclusion II follows.

**20. Statement:**  $T < U = V \geq S > P \geq Q$ 

**Conclusions:**  $S > T, V > Q$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusion I and II follow.
- D. Neither conclusion I nor conclusion II follows.
- E. Either conclusion I or conclusion II follows.

**21. Statements:**

$$D \geq S, X < W, S = J, W > Y, X > D, \\ Y \leq O, J \geq E$$

**Conclusions:** (i)  $D > E$  (ii)  $D = E$   
(iii)  $O > S$

- A. Only conclusion (i) follows
- B. Both conclusions (i) and (iii) follow
- C. Only conclusion (iii) follows
- D. Either conclusion (i) or (ii) follows
- E. All the conclusions follow

**22. Statements:**  $W < X, Y = Z, V < U,$   
 $X > Z, G \geq Y, W > U, H = V$

**Conclusions:** (i)  $G > X$  (ii)  $W > H$   
(iii)  $Y = H$

- A. Only conclusion (i) follows
- B. Both conclusions (i) and (iii) follow
- C. Only conclusion (ii) follows
- D. Either conclusion (i) or (ii) follows
- E. None of the conclusions follow

**23. Statements:**  $P < K, B \geq D, K = E,$   
 $H > B, P \leq G, E > T, D = G$

**Conclusions:** (i)  $K > T$  (ii)  $B > P$   
(iii)  $B = P$

- A. Only conclusion (i) follows
- B. Both conclusions (i) and (ii) follow
- C. Both A and D follows
- D. Either conclusion (ii) or (iii) follows
- E. None of the conclusions follow

**24. Statements:**  $S < V, P = M, T > V,$   
 $M < I, R = I, P < T$

**Conclusions:** (i)  $I > P$  (ii)  $S > M$   
(iii)  $I < T$

- A. Only conclusion (i) follows
- B. Both conclusions (i) and (ii) follow
- C. Only conclusion (ii) follows
- D. Either conclusion (i) or (ii) follows
- E. None of the conclusions follow

**25. Statements:**  $X \geq T, Z < K, K < H,$   
 $F = Q, T < Z, F > H$

**Conclusions:** (i)  $T < F$  (ii)  $Q > K$   
(iii)  $Z < F$

- A. Only conclusion (i) follows
- B. Both conclusions (i) and (ii) follow
- C. Only conclusion (ii) follows
- D. Either conclusion (i) or (ii) follows
- E. All the conclusions follow

**26. Statements:**  $C = W \leq T, V > T >$   
 $L, E \leq V = I, C > G = E$

**Conclusions:**  $G < T, C < I$

- A. Neither conclusion I nor conclusion II follows
- B. Only conclusion II follows
- C. Either conclusion I or conclusion II follows
- D. Only conclusion I follows
- E. Both the conclusions follow

**27. Statements:**  $A \geq C > K, J < K \geq H,$   
 $L = W \geq J, B \leq W = M$

**Conclusions:**  $A > L, C > H$

- A. Neither conclusion I nor conclusion II follows
- B. Only conclusion II follows
- C. Either conclusion I or conclusion II follows
- D. Only conclusion II follows
- E. Both the conclusions follow

**28. Statements:**  $A \geq C > K, J < K \geq H,$   
 $L = W \geq J, B \leq W = M$

**Conclusions:**  $A > L, C > H$

- A. Neither conclusion I nor conclusion II follows
- B. Only conclusion II follows
- C. Either conclusion I or conclusion II follows
- D. Only conclusion II follows
- E. Both the conclusions follow

**29. Statements:**  $W < H \leq L < J \leq N < V$ ,  $M = F \neq J = G \geq I > Q$ ,  $U \leq P < E = C = I$

**Conclusions:** I.  $E < V$  II.  $W < P$

- A. Neither C1 nor C2 follows
- B. Only C1 follows
- C. Both C1 and C2 follow
- D. Only C2 follows
- E. Either C1 or C2 follows

**30. Statements:**  $A > C = B = F \geq J < M$ ,  $K = Q \leq J < Z < N$ ,  $X = U \neq K = S \geq Z > X$

**Conclusions:** I.  $Z < C$  II.  $A > K$

- A. Neither C1 nor C2 follows
- B. Only C1 follows
- C. Both C1 and C2 follow
- D. Only C2 follows
- E. Either C1 or C2 follows

**31. Statements:**  $B > A \geq T > F = Y \leq S < D$

**Conclusions:**  $F < D$ ,  $A > S$

- A. Only conclusion I follows
- B. Either conclusion I or conclusion II follows
- C. Only conclusion II follows
- D. Both conclusions follow
- E. Neither conclusion I nor conclusion II follows

**32. Statements:**  $Y < O \leq G \leq K = U > L > P$

**Conclusions:**  $O = U$ ,  $U > O$

- A. Only conclusion I follows
- B. Either conclusion I or conclusion II follows
- C. Only conclusion II follows
- D. Both conclusions follow

E. Neither conclusion I nor conclusion II follows

**33. Statements:**  $M < T < G \leq J = U > Y > R$

**Conclusions:**  $G < U$ ,  $J > R$

- A. Only conclusion I follows
- B. Either conclusion I or conclusion II follows
- C. Only conclusion II follows
- D. Both conclusions follow
- E. Neither conclusion I nor conclusion II follows

**34. Statements:**  $L \geq A \geq C$ ,  $K = Y \leq C$ ,  $H > D \leq K$ ,  $A > E < Y$

**Conclusions:**  $D < A$ ,  $A = D$ ,  $L > Y$

- A. All the conclusions follow
- B. Either conclusion I or II follows
- C. Only conclusion III follows
- D. Only conclusion II and III follow
- E. None of the conclusions follows

**35. Statements:**  $M > H = A$ ,  $X \geq G < H$ ,  $Y < M < P$ ,  $G > O > K$

**Conclusions:**  $P > X$ ,  $G < P$ ,  $Y < H$

- A. All the conclusions follow
- B. Either conclusion I or II follows
- C. Only conclusion I and III follow
- D. Only conclusion II follows
- E. None of the conclusions follows

**36. Statements:**  $B > A \geq T$ ,  $F = Y \leq T$ ,  $S > D \leq F$ ,  $Y \leq X \leq T$

**Conclusions:**  $A \geq F$ ,  $T > D$ ,  $B > Y$

- A. All the conclusions follow
- B. Either conclusion I or II follows
- C. Only conclusion I and III follow
- D. Only conclusion III follows
- E. None of the conclusions follows

**37. Statements:**  $L \geq Y \geq A < R, S > Q$   
 $= A \geq I$

**Conclusions:** I.  $S > Y$ , II.  $R > Q$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusions follow.
- D. Either conclusion I or conclusion II follows.
- E. Neither conclusion I nor II follows.

**38. Statements:**  $M < A \leq P > X, P \geq$   
 $B = C < Y, C \geq D > F = L$

**Conclusions:** I.  $P \geq D$ , II.  $M < C$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusions follow.
- D. Either conclusion I or conclusion II follows.
- E. Neither conclusion I nor II follows.

**39. Statements:**  $J = X \leq U > Z, M =$   
 $N \geq U = P, L = O < N \geq T$

**Conclusions:** I.  $J < N$ , II.  $O > U$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusions follow.
- D. Either conclusion I or conclusion II follows.
- E. Neither conclusion I nor II follows.

**40. Statements:**  $H \geq V = O > R, X \leq D$   
 $> Y > R, Y > N = L < Z$

**Conclusions:** I.  $O < D$ , II.  $R > N$

- A. Neither conclusion I nor II follows.
- B. Only conclusion I follows.
- C. Both conclusions I and II follow.

D. Only conclusion II follows.

E. Either conclusion I or II follows.

**41. Statements:**  $P < D \leq U, U = G >$   
 $B, Y < G \leq L$

**Conclusions:**  $L > B, P > Y$

- A. Both conclusions I and II follow
- B. Either conclusion I or II follows
- C. Only conclusion I follows
- D. Only conclusion II follows
- E. Neither conclusion I nor II follows

**42. Statements:**  $X > Y \geq Z, O \geq X <$   
 $E, R < O > K$

**Conclusions:**  $Z < E, O > Y$

- A. Both conclusions I and II follow
- B. Either conclusion I or II follows
- C. Only conclusion I follows
- D. Only conclusion II follows
- E. Neither conclusion I nor II follows

**43. Statements:**  $F < H < E, J < D >$   
 $C, F = C < G$

**Conclusions:**  $H < C, D = G$

- A. Both conclusions I and II follow
- B. Either conclusion I or II follows
- C. Only conclusion I follows
- D. Only conclusion II follows
- E. Neither conclusion I nor II follows

**44. Statements:**  $C < D = A, J \leq G < A,$   
 $T > J \geq V$

**Conclusions:**  $G > V, G = V$

- A. Both conclusions I and II follow
- B. Either conclusion I or II follows
- C. Only conclusion I follows
- D. Only conclusion II follows

- E. Neither conclusion I nor II follows
- 45. Statements:**  $N \geq K > J, P = M \geq K, Q \leq L < M$   
**Conclusions:**  $P > J, N > P$   
A. Both conclusions I and II follow  
B. Either conclusion I or II follows  
C. Only conclusion I follows  
D. Only conclusion II follows  
E. Neither conclusion I nor II follows
- 46. Statements:**  $M > A > R, G = R < S, F \leq R \leq C, Q = C > J$   
**Conclusions:**  $M > F, Q = F, Q > F$   
A. Only conclusion I follows  
B. Either conclusion II or III follows  
C. Only conclusion III follows  
D. Both option A and B.  
E. Both option A and C
- 47. Statements:**  $J = O \leq P, T > P > X, Y \leq X = W, S > Y > R$   
**Conclusions:**  $T > S, J < Y, W > R$   
A. Only conclusion I follows  
B. Only conclusions II and III follow  
C. Only conclusion III follows  
D. All the conclusions follow  
E. None of the conclusions follow
- 48. Statements:**  $B \leq A < C, M = O > A, V \geq O > I, I < K = V$   
**Conclusions:**  $B < V, A = K, I > C$   
A. Only conclusion I follows  
B. Only conclusions II and III follow  
C. Either conclusion I or III follows  
D. All the conclusions follow

- E. None of the conclusions follow
- 49. Statements:**  $Y > U = X < E, L \geq X > A = W, B < L = C < Z$   
**Conclusions:**  $B > E, U < Z, A < Y$   
A. None of the conclusions follow  
B. Only conclusion II follows  
C. Either conclusion I or II follows  
D. Only conclusions II and III follow  
E. All the conclusions follow
- 50. Statements:**  $M < U \leq D < E, L \geq O > A = D, K < L = N < F$   
**Conclusions:**  $F > E, M < O, N \geq U$   
A. None of the conclusions follow  
B. Only conclusion II follows  
C. Either conclusion I or II follows  
D. Only conclusion III and either conclusion I or II follows  
E. All the conclusions follow