

Coded Inequality Reasoning



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Direction(1-5): Directions: In these questions, relationship between different elements is shown in the various statements which are followed by three conclusions. Choose the correct answer on the basis of information given below.

**1. 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**



2. **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



3. 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



4. **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



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



6. In which of these expression 'L > P' is definitely false?

- (A) $W < P \geq S \geq Q < N > A \geq L > V$
- (B) $N > L > M = D \geq B = A > P = R$
- (C) $M \leq A > L > W \geq V \leq B = P < S$
- (D) $S > L = C \geq H = H \geq P \leq Q = T$
- (E) $B > L \leq A = M < Q \leq T = P < G$



7. In which of these expression 'A \leq P' is definitely false?

- (A) $W < P \geq S \geq Q < N > A \geq R > V$
- (B) $N > A > M = D \geq B = L > P = R$
- (C) $M \leq A > L > W \geq V \leq B = P < S$
- (D) $S > A > = C \leq H = P \leq Q = T = K$
- (E) $B > L \leq A > M \geq Q < T > P < G$



Direction (8-12): In the following questions, the symbols %, @, #, \$ and & are used with the following meaning as illustrated below:

‘P%Q’ means ‘P is neither smaller than nor equal to Q’.

‘P@Q’ means ‘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’ means ‘P is neither smaller than nor greater than Q’.

Now in each of the following questions, assuming the given statements to be true, find which of the four conclusions I, II, and III given below them is/are definitely true and give your answer accordingly.



8. **Statements:** A%S, S\$W, W&F, F@X

Conclusions:

I. S°F

II. W@A

III. X%W

(A) Only I

(B) Only II

(C) Both II and III

(D) All I, II and III

(E) Only I and II



9. **Statements: R&W, W#C, C%A, A\$V**

Conclusions:

I. **C&R**

II. **A%W**

III. **V@C**

(A) **Only II**

(B) **Only I**

(C) **Only I and III**

(D) **Only III**

(E) **None of these**



10. Statements: $A@D$, $D\$M$, $M\#S$, $S\&J$

Conclusions:

I. $A\$M$

II. $J\&D$

III. $A@M$

(A) Either I or III

(B) Only I

(C) Only II and III

(D) All I, II and III

(E) Either I or III and II



11. Statements: $C\#A$, $X\%A$, $R\$X$, $R@S$

Conclusions:

I. $R\%A$

II. $R\$A$

III. $C@S$

(A) Both I and II

(B) Both I and III

(C) Both II and III

(D) Either I or II and III

(E) Only I



12. Statements: $X\$E$, $E\%W$, $W\&Q$, $Q@A$

Conclusions:

I. $A@W$

II. $X\%Q$

III. $E\&A$

(A) Only III

(B) Both I and II

(C) All I, II and III

(D) Both II and III

(E) None of these



13. Statement: $P > B = C$; $C \geq D > E$; $E \geq V$; $F \leq Q$; $H > Q$

Conclusion:

I. $P > Q$

II. $P \leq Q$

III. $P > E$

IV. $H > E$

V. $C > H$

(A) Only conclusion I follows.

(B) Only conclusion V follows.

(C) Either conclusion I or II and conclusion III follow

(D) Neither conclusion III nor V follows.

(E) Both conclusion IV and II follows.



14. Statement: $A < N < U$; $U \leq R=T$; $T \geq S \geq E$

Conclusion:

I. $T > N$

II. $R \geq E$

III. $A > R$

IV. $R > N$

V. $A > E$

(A) Only conclusion I follows.

(B) Only conclusion III follows.

(C) Either conclusion I or II and conclusion III follow

(D) Neither conclusion I nor V follows.

(E) Conclusion I, II and IV follow.



15. Statement: $M > S \geq W$; $W \geq U$; $V < U$

Conclusion:

I. $V \geq U$

II. $V < M$

III. $S > U$

IV. $S = U$

V. $M > U$

(A) Only conclusion I follows.

(B) Only conclusion II and V and either III or IV follow.

(C) Either conclusion I or II follows.

(D) Neither conclusion I nor II follows.

(E) Both conclusion V and II follows.



16. Statement: $P \leq X$; $Y > X$; $Y = Z > Q$; $P < B$

Conclusion:

I. $B > Z$

II. $P < Q$

III. $P < Y$

IV. $Y < Q$

V. $B = Q$

(A) Only III follows.

(B) Only conclusion II and V and either III or IV follow.

(C) Either conclusion I or II follows.

(D) Neither conclusion I nor II follows.

(E) Both conclusion V and II follows.



17. Statement: $A \geq O$; $O \geq P = Q$; $B < Q$

Conclusion:

I. $A > B$

II. $B = A$

III. $A > P$

IV. $P < B$

V. $A > Q$

(A) Only conclusion I follows.

(B) Only conclusion II and V and either III or IV follow.

(C) Either conclusion I or II follows.

(D) Neither conclusion I nor II follows.

(E) Both conclusion V and II follows.



18. In which of the following expressions 'W > Z' as well as 'Y > Z' hold definitely true?

- (A) $W > X > U = Z < H \leq Y$
- (B) $W \geq X = U > Z \leq H < Y$
- (C) $W = X > U \geq Z < H < Y$
- (D) All of the above
- (E) None of the above



**19. From the given below conditions:
choose the correct option :**

$M \leq N < O > = P$, $N \leq Q$ and $R > O$

Statement I. $M < R$

Statement II. $P \leq Q$

- (A) Only I is true**
- (B) Only II is true**
- (C) If either I or II follow**
- (D) If neither I or II follow**
- (E) If both I and II follow**



20. From the given below Statements:
choose the correct option :

Statements: $A \geq B < C = D \geq E < F > G$

Conclusion I. $F \geq B$

Conclusion II. $G < A$

- (A) Only I is true
- (B) Only II is true
- (C) If either I or II follow
- (D) If neither I nor II follow
- (E) If both I and II follow



21. **Statements:** $R \geq T = Q < M$, $S \geq R$, $S = L > Z$

Conclusions:

I. $Z < R$ II. $S \geq Q$

III. $M > T$ IV. $L \geq Q$

(A) Only II, III and IV are true

(B) Only I, III and IV are true

(C) Only I and II are true

(D) Only II and IV are true

(E) None of these



22. Statements: $A > B = C \geq D$, $V \geq G \leq H = D$

Conclusion:

I. $C \geq D$ II. $A > H$ III. $B \geq G$ IV. $C < V$

- (A) Only I and II are true**
- (B) Only III and IV are true**
- (C) Only I, II and III are true**
- (D) All I, II and III are true**
- (E) None of these**



23. Statements: $M \leq N < L \geq Q, R > T \geq Q$

Conclusions:

I. $R \geq L$ II. $T \leq N$ III. $L > M$ IV. $R \geq M$

- (A) Only I and II are true**
- (B) Only III is true**
- (C) Only I, II and III are true**
- (D) All I, II and III are true**
- (E) None of these**



24. Statements: $E = G \geq H = N$, $C > F \geq M = N$

Conclusions:

I. $F \geq E$ II. $E \geq M$ III. $C \geq G$ IV. $C > H$

- (A) Only II and IV are true**
- (B) Only III is true**
- (C) Only I, II and III are true**
- (D) All I, II and III are true**
- (E) None of these**



25. Which of the following symbols should replace the question mark in the given statement in order to make conclusion 'W = F' as well as 'P > Y' definitely true?

$M > W = P ? F \geq T > Y$

(A) $>$

(B) $<$

(C) \geq

(D) $=$

(E) None of these