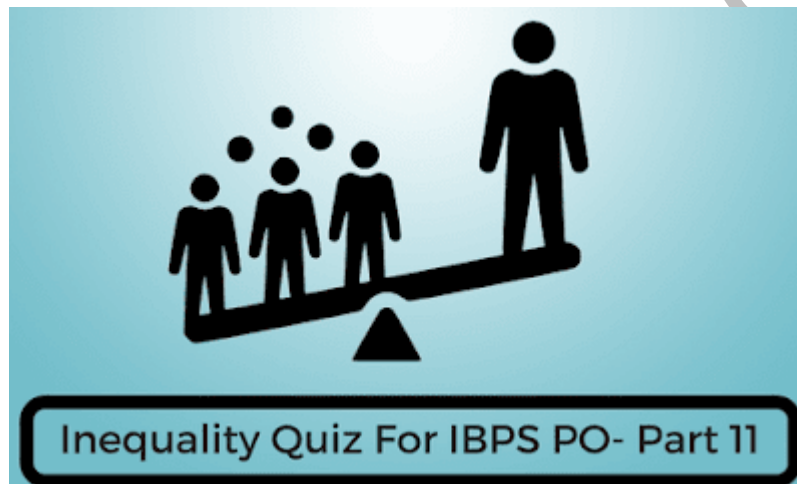


B 26- Inequality



Directions (Q1-5): In the following questions, the symbols %, #, @, * and \$ are used with the following meaning as illustrated below:

'P * Q' means 'P is not greater than Q'.

'P # Q' means 'P is neither greater than nor equal to Q'.

'P \$ Q' means 'P is neither greater than nor smaller than Q'

'P % Q' means 'P is neither smaller than nor equal to Q'

'P @ Q' means 'P is not smaller than Q'

Question .1

Statement:

$J * K \% L \% S \# T, M \$ K \# N @ O, P * S \# Q * R$

Conclusion:

$M \% S, J * O, N \# T$

A. Only III follows.

- B. All follows.
- C. I and III follows.
- D. Only I follow.
- E. None follows.

Ans. D.

Solution:

$J \leq K > L > S < T$, $M = K < N \geq O$, $P \leq S < Q \leq R$
 $M > S$, $J \leq O$, $N < T$
 $M = K > L > S$, $J \leq K < N \geq O$, $N > K > L > S < T$

Question .2

Statement:

A%B@C%E#F, J%G\$C@H#K, D*F\$I#L

Conclusion:

H@K, E#L, F#K

- A. None follow.
- B. Only III follow.
- C. II and III follows.
- D. Either I or II follows.
- E. Only II follow.

Ans. E.

Solution:

$A > B \geq C > E < F$, $J > G = C \geq H < K$, $D \leq F = I < L$
 $H \geq K$, $E < L$, $F < K$
 $H < K$, $E < F = I < L$, $K > H \leq C > E < F$

Question .3

Statement:

S#T*R\$P*Q#M, V#\$P*O@U

Conclusion:

T*O, U*M, V#M

- A. I and II follows.
- B. Only III follow.
- C. I and III follows.
- D. None follow.

E. All follow.

Ans. C.

Solution:

$S < T \leq R = P \leq Q < M, V < N = P \leq O \geq U$

$T \leq O, U \leq M, V < M$

$T \leq R = P \leq O, M > Q \geq P \leq O \geq U, V < N = P \leq Q < M$

Question .4

Statement:

$J * K \% L \% S \# T, M \$ K \# N @ O, P * S \# Q * R$

Conclusion:

$K @ P, L * R, M \% P$

A. I and II follows.

B. Only III follow.

C. All follow.

D. Only I follow.

E. None follow.

Ans. B.

Solution:

$J \leq K > L > S < T, M = K < N \geq O, P \leq S < Q \leq R$

$K \geq P, L \leq R, M > P$

$K > L > S \geq P, L > S < Q \leq R, M = K > L > S \geq P$

Question .5

Statement:

$A \% B @ C \% E \# F, J \% G \$ C @ H \# K, D * F \$ I \# L$

Conclusion:

$E \# J, D * C, A \% H$

A. II and III follows.

B. Only I follow.

C. All follows.

D. I and III follows.

E. None follow.

Ans. D.

Solution:

$A > B \geq C > E < F$, $J > G = C \geq H < K$, $D \leq F = I < L$

$E < J$, $D \leq C$, $A > H$

$J > G = C > E$, $C > E < F \geq D$, $A > B \geq C \geq H$

Direction(6-10): In these questions, the relationship between different elements is shown in the statements. These statements are followed by two conclusions.

Question .6

Statements:

$J > K > L \leq M > O$, $E \leq L > H > F$, $I = G > M \leq P < Q$

Conclusions:

I. $J > F$ II. $E < M$ III. $E = M$

A. I and II follow

B. All follow

C. I follow and either II or III follow.

D. None follow.

E. None of these

Ans. C**Solution:**

$J > K > L > H > F$

$E \leq L \leq M$

Question .7

Statements:

$A < B < C \leq D = E$, $F < B \leq G = H < I$, $P \leq C \geq U > M$

Conclusions:

I. $F \leq D$ II. $A < I$ III. $A < F$

A. I and III follow.

B. Only II follow.

C. All follow.

D. None follow.

E. None of these.

Ans. B

Solution:

$$F < B < C \leq D$$

$$A < B \leq G = H < I$$

$$A < B > F$$

Question .8

Statements:

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

Conclusions:

I. $W < Z$ II. $V < X$ III. $Z < T$

A. I and II follow.

B. All follow.

C. Only I follow.

D. II and III follow.

E. None of these.

Ans. D.

Solution:

$$W \geq V = R < S = Y > Z$$

$$X \geq S > R = V$$

$$T \geq S = Y > Z$$

Question .9

Statements:

$$J > K > L \leq M > O, E \leq L > H > F, I = G > M \leq P < Q$$

Conclusions:

I. $I > O$ II. $J > Q$ III. $L \leq P$

A. I and II follow.

B. None follow.

C. I and III follow.

D. Only II follow.

E. None of these.

Ans. C.

Solution:

$I = G > M > O$

$J > K > L \leq M \leq P < Q$

$L \leq M \leq P$

Question .10

Statements:

$A < B < C \leq D = E, F < B \leq G = H < I, P \leq C \geq U > M$

Conclusions:

I. $P \leq E$ II. $M < E$ III. $C \leq E$

A. II and III follow.

B. None follow.

C. All follow.

D. I and II follow.

E. None of these

Ans. C.

Solution:

$P \leq C \leq D = E$

$M < U \leq C \leq D = E$

$C \leq D = E$

