- a) Only conclusion I is true /follows
- b) Only conclusion II is true /follows
- c) Both conclusions I and II are true /follows
- d) Neither conclusion I nor II is true/follows
- e) Either conclusion I or II is true /follows

```
Q1 Statements: R > S > T; R > F > B. Conclusions: I. B > S II. F < T
```

**Q2** Statement: 
$$W > D \ge C = X < A < Z \le F$$
 Conclusion: I.  $Z > C$  II.  $X < W$ 

Q3 Statement: 
$$L \ge M = N < O$$
,  $P < Q \ge R = S \ge L$  Conclusion: I.  $Q > M$  II.  $N = Q$ 

**Q4** Statements: 
$$D \ge E > F = A \le U < L \ge T = R$$
 Conclusions: I.  $F < L$  II.  $D > A$ 

**Q5** Statements: 
$$J \ge N \le T$$
;  $T = S > R$ ;  $K > V \ge J$  Conclusions: I.  $V \ge N$  II.  $K > J$ 

**Q6** Statement: 
$$C \ge J = K \ge R$$
;  $J \le U < P$  Conclusions I:  $K \le U$  II:  $C < P$ 

**Q7** Statement: 
$$F > D < I \le E = J$$
;  $G \le H \le D$  Conclusions  $I : G \le I II : E > G$ 

**Q8** Statements: 
$$A \ge B > C \le D \le E < F$$
 Conclusions: I.  $A \ge E$  II.  $C < F$ 

**Q9.** Statements: 
$$G > R \ge E = A \le T \le S$$
;  $D \le A \le J$  Conclusions:  $I. T \ge D II. R > J$ 

**Q10** Statements: 
$$S \le L \le I = P \ge E > R$$
;  $L < O$  Conclusions: I.  $P \ge S$  II.  $O > R$ 

**Q11**Which of the following expressions is definitely true if the expressions  $A \le B$  and  $C \ge D$  are definitely true?

a) 
$$A = D \le E = C \ge B$$

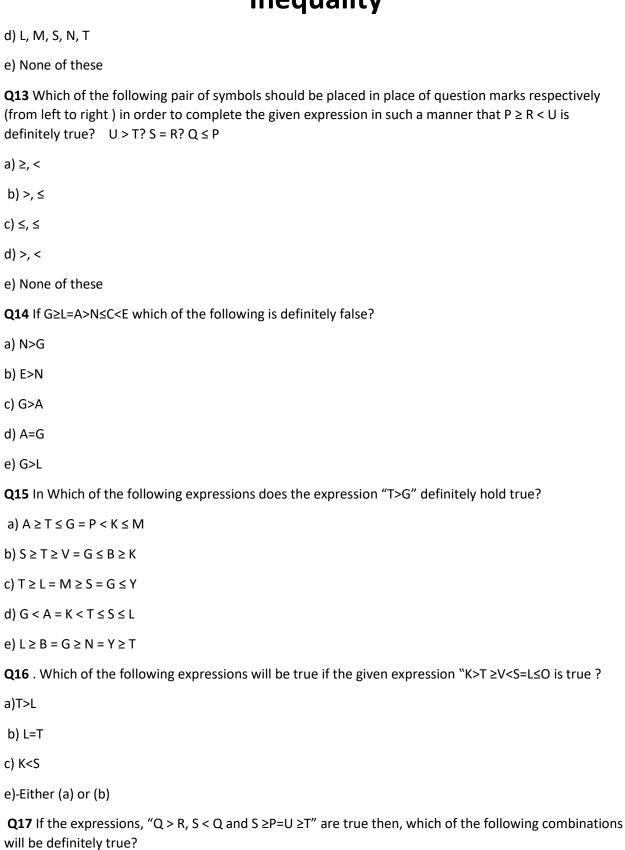
b) 
$$B = C \ge E \le A = D$$

c) 
$$A \le D = E \le C = B$$

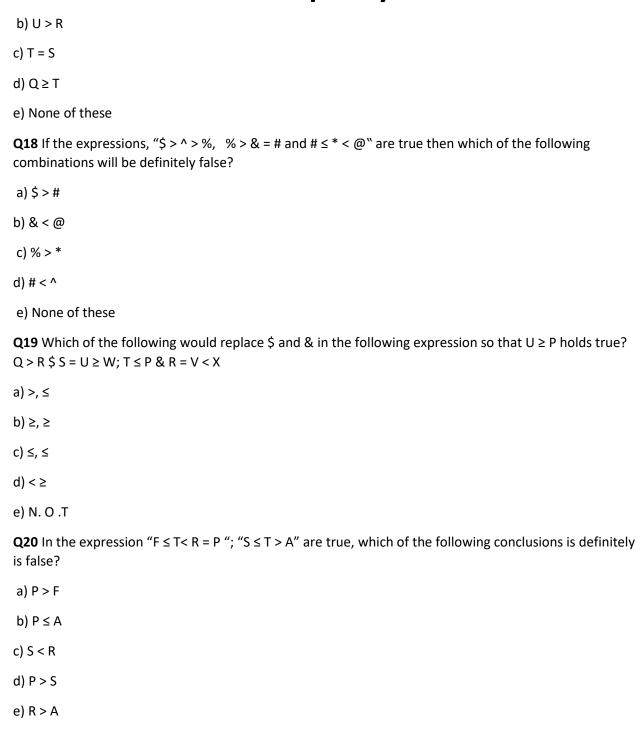
d) 
$$B = C \ge E = D > A$$

e) 
$$A \le C < E = B \le D$$

**Q12** Which of the following set of symbols should be placed in the place of question marks respectively (in the same order from left to right) in order to complete the given expression in such a manner that S < L as well as  $T \le M$  are definitely true  $?? <? =? \le? <?$ 



a) T < Q



### **Solution:**

```
Q1 B > S \rightarrow False F < T \rightarrow False Hence, neither conclusion I nor II is true.

Q2 Z > C \rightarrow True X < W \rightarrow True Hence, both I and II are true.

Q3 Q > M \rightarrow False N = Q \rightarrow False Hence, either I or II is true.

Q4 F < L \rightarrow True D > A \rightarrow True Therefore, both conclusions follow.

Q5 V \geq N \rightarrow True K > J \rightarrow True Thus, Both I and II are true.

Q6 I: K \leq U => K = J \leq U (Option I follows)

II: C < P => C \geq J \leq U < P (Option II not follows)

Only conclusion I is true

Q7 I: G \leq I (G \leq H \leq D \leq I) (Option I not follows)

Only conclusion II is true

Q8 I. A \geq E (A \geq B > C \leq D \leq E) (Option I not follows)
```

II. C < F ( $C \le D \le E < F$ ) (Option II follows) Only conclusion II is true

**Q9** I.  $T \ge D$  ( $T \ge A \ge D$ ) (Option I follows) II. R > S ( $R \ge E = A \le J$ ) (Option II does not follows) Only conclusion I is true

**Q10** I.  $P \ge S$  ( $P = I \le L \le S$ ) (Option I follows)

II. O > R ( $O > L \le I = P \ge E > R$ ) (Option II does not follows)

Only conclusion I is true

#### Q11 Answer: C

 $A \le D = E \le C = B$ 

Hence, both the expressions  $A \le B$  and  $C \ge D$  are Definitely true

#### Q12 Answer: A

 $S < T = N \le M < L$ 

Hence,  $S \le L$  as well as  $T \le M$  are definitely true

#### Q13 Answer: B

 $U > T > S = R \le Q \le P$ 

Hence,  $P \ge R < U$  is definitely true

#### Q14 Answer: A

 $G \ge L = A > N$ 

Hence G>N. So N>G is false.

#### Q15 Answer: D

From option (d),  $G < A = K < T \le S \le L$ , clearly T>G is True.

#### Q16 Answer: D

From the given expression "K>T  $\geq$ V<S=L $\leq$ O", "O>V" Holds true

#### Q17 Answer: A

 $R < Q > S \ge P = U \ge T$ 

Option a: T < Q (True)

Option b: U > R (False)

Option c: T = S (False)

Option d:  $Q \ge T$  (False)

#### Q18 Answer: C

Combining the expressions we get,  $\$ > ^ > \% > \& = \# \le * < (a)$ 

Option a: \$ > # (True)

Option b: & < @ (True)

Option c: % > \* (False)

Option d:  $\# < ^ (True)$ 

#### Q19 Answer: C

Placing \$ as  $\leq$  and & as  $\leq$  we get  $T \leq P \leq R \leq S = U$ 

Which satisfies the condition  $U \ge P$ .

#### Q20 Answer: B)

Given expression " $F \le T < R = P$ "; " $S \le T > A$ "

Option a: P > F (True)

Option b:  $P \le A$  (False) Option c: S < R (True) Option d: P > S (True) Option e: R > A (True)