

Comparison

Solution

1. Answer: (A)

Given statement: $R = N > Q ? T < V = O$

$? P \geq S \leq U$

To make expression $P > Q$ definitely true in the above statement,

I. T must be greater than or equal to Q ($T > Q, T = Q, T \geq Q$)

II. P must be greater than or equal to O ($P > O, P = O, P \geq O$)

From the options, $Q < T, O < P$

Hence, the answer is $<, <$

2. Solution (C):

Putting all the signs step by step in place of @ and # we get:

$S \geq Z = R \geq Y; A = Z \geq B = N; N > Y$ is False

$S \geq Z = R < Y; A = Z > B = N; N > Y$ is

False

$S \geq Z = R > Y; A = Z < B = N; N > Y$ is True

$S \geq Z = R \leq Y; A = Z \geq B = N; N > Y$ is

False

$S \geq Z = R \geq Y; A = Z > B = N; N > Y$ is

False

Hence, the correct answer is ' $>, <$ '

3. Solution (C):

In $G < H = I = J \rightarrow J = H$

In $H > G > I = J \rightarrow H > J \rightarrow$ so in this statement $H < J$ is definitely false.

In $J = I \geq G > H \rightarrow J > H \rightarrow$ so in this statement $H < J$ is definitely true.

In $H \geq G > I < J \rightarrow$ we can't say whether $H > J$ or $H < J$.

Hence in expression $J = I \geq G > H, H < J$ is definitely true.

$G < H = I = J \rightarrow J = H$

4. Solution (A):

Let us check each option:

1) $Z > T \geq L$ and $P < A \leq L \rightarrow A \leq T; B \leq T$ and $Z > T \geq L \rightarrow B < Z$ as required

2) $Z > T \geq L$ and $P < A < L \rightarrow A < T$

3) $Z \leq T$ and $B \leq T \rightarrow$ relation between B and Z can't be determined.

4) $Z < T$ and $B = T \rightarrow B > Z$

Hence, $>, \leq, \leq$ are to be placed so that both $A \leq T$ and $B < Z$ hold definitely true.

5. Answer: (B)

$A > B \geq R \geq C < R \leq Z = M \leq P \geq X$

6. Answer: (B)

$A > B \geq R \geq C < R \leq Z = M \leq P \geq X$

7. Answer: (E)

8. Answer: (E)

9. Answer: (C)

Direction (10-14): Three persons are standing between L and F. O is standing immediately ahead of L. P is standing adjacent to F. Only two persons are standing between P and Z who is standing behind F. Only one person stands between Z and G. H is standing exactly behind G.

Case-1	Case-2	Case-3
0	0	0
L	L	L
P		
F	F	F
	P	P
Z		G
		H
G	Z	Z
H		
	G	
	H	

Q is standing at one of the extreme end. Four persons are standing between Q and K. K is standing immediately behind L. Not more than 14 persons are standing in the row. So, from this case-2 gets eliminated.

Case-1	Case-3
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Q	Q
O	O
L	L
K	K
P	
F	F
	P
Z	G
	H
G	Z
H	

C is standing immediately behind of T. X is standing behind V but ahead of M. M is not standing behind G. So, from this case-3 gets eliminated. So, the arrangement is—

Case -1
Q
T
C
O
L
K
V
P
F
X
Z
M
G
H

Now for the amount earn by them, the information given is—

S@P means S earn 500 more than P.

S#P means S earn 1000 less than P.

S\$P means S earn equal to P.

The amount earn by all of them is given below—

V@Z\$H@X\$Q\$G i.e. $V > Z = H > X = Q = G$

M\$F#G i.e. $M = F < G$

V#L#T i.e. $V < L < T$

T\$C#O i.e. $T = C < O$

F@K@P i.e. $F > K > P$

By combining all we get---

$O > C = T > L > V > Z = H > X = Q = G > M = F > K > P$

10. **Answer: (E)**

$O > C = T > L > V > Z = H > X = Q = G > M = F > K > P$, if the amount earn by M is 7000

Then the amount earn by Q, Z and L is 8000, 8500 and 10000 respectively. So, the sum is= 26500

11. **Answer: (B)**

12. **Answer: (A)**

13. **Answer: (B)**

$O > C = T > L > V > Z = H > X = Q = G > M = F > K > P$, if the amount earn by X is 4500

Then the amount earn by O and P is 8500 and 2500 respectively So, the difference is= 6000.

14. **Answer: (E)**

The amount earn by T is— From

$O > C = T > L > V > Z = H > X = Q = G > M = F > K > P$, if the amount earn by K is 5000, then the amount earn by T will be 9500.

15. **Answer: (C)**

Only in this case

' $Y < H \leq Z > S = K \geq G$ ', ' $Z < G$ and $S > Y$ definitely false and $G < S$ definitely true.

16. **Answer: (D)**

By using '&' in the statement

" $A > B \geq G = M \leq H = O < T$ ". Conclusion ' $A \neq H$ ' definitely false and ' $T \neq G \& O$ ' definitely true.

17. **Answer: (C)**

Only in this case ' $B < H \leq J > S = K \geq G$ ', ' $J < G$ and $S > B$ definitely false.

18. **Answer: (D)**

By using '*' in the statement

" $D > B \geq G = M \leq H = O < P$ ". Conclusion ' $D \neq H$ ' definitely false and ' $P \neq G * O$ ' definitely true.

19. **Answer: (D)**

Only in this case ' $S > A = Q \geq R = B > K$ ', ' $K < Q$ and $A \geq B$ definitely true.

20. **Answer: (B)**

By using '%' in the statement " $K \leq F \geq G = E \leq M = D < B$ ". Conclusion ' $E \leq F$ ' and ' $B > M \geq G$ ' definitely true.