Quiz Date: 18th August 2020

Directions (1-5): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer. Give answer-

(a) If only conclusion I is true

(b) If only conclusion II is true

(c) If both conclusions I and II are true.

(d) If either conclusion I or II is true

(e) If neither conclusion I nor II is true.

Q1. Statements: K<Q≤J, B<O=N, O>M<I=Q. *Conclusions:* I. B<I II. O≤B

Q2. Statements: A≥C≤Z< Y, O=M <Z > X Conclusions: I. Y>X II. M> C

- *Q3. Statements:* Z>Y≥R, Y≤J>K, J=O>Q *Conclusions: I. Q>Y* II. Z>O
- Q4. Statements: K<Q, N≤J≥M, Q<O=N Conclusions: I. N<M II. N>M
- Q5. Statements: J>K<L<R<L>T<Z Conclusions: I. K < T II. T ≤ K

Directions (6-10): In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:

Q6. Statements: $N > Z \ge Y = J \le K < Q \le B, C > Y$ Conclusions: I. Y < BII. $C \ge Q$ (a) Both conclusions I and II are true(b) Either conclusion I or II is true(c) Only conclusion I is true(d) Neither conclusions I nor II is true

(e) Only conclusion II is true

 $\label{eq:q7.statements: } \begin{array}{ll} Z \geq Y = J \leq K < Q \leq B; \ A \geq Z \\ \textbf{Conclusions: } I. \ A > Q \\ II. \ A \geq J \end{array}$

(a) Both conclusions I and II are true

(b) Only conclusion II is true

(c) Neither conclusion I nor II is true

(d) Either conclusions I or II is true

(e) Only conclusions I is true

Q8. Statements: $T < I = Z \le H$; G < I **Conclusions:** I. H > T II. H > G(a) Both conclusion I and II are true (b) Either conclusion I or II is true (c) Neither conclusion I nor II is true (d) Only conclusion I is true (e) Only conclusion II is true **Q9. Statements:** $F < N < P \le R$; $W \ge P$; $R \ge X$

Q9. Statements: $F < N < P \le R$; $W \ge P$; $R \ge X$ **Conclusions:** I. N < X II. W < F

(a) Only conclusion II is true

(b) Either conclusion I or II is true

(c) Both conclusion I and II are true

(d) Neither conclusion I nor II is true

(e) Only conclusion I is true

Q10. Statements: $K = F < S < P \le T > M$; $W \le P$

Conclusions: I. $W \ge F$ II. K > W

(a) Neither conclusion I nor II is true

- (b) Both conclusions I and II are true
- (c) Only conclusion II is true
- (d) Either conclusion I or II is true

(e) Only conclusion I is true

Q11. In which of the following expression shows that, ' $M \ge 0$ ' and 'Z < Y' being definitely true?

(a) $M > O > B \ge Z \ge E < Y$

(b) Z<Q≤Y<M>J≥0

(c) $Y > 0 \le Z \le I \le M = Q$

- (d) $Y > I \ge Z = 0 \le J \le M$
- (e) None of these

Q12. Which of the following symbols should replace the sign (?) and (*) in the given expression in order to make the expression Q>X definitely false and Z>Q is definitely true? Z (?) Y > Q (*) $M \ge X$

(a) >, > (b) \geq , > (c) <, = (d) >, = (e) None of these

Q13. Which of the following symbols should replace the sign (?) and (#) in the given expression in order to make the expressions $A \ge Y$ definitely true and K < P definitely false?

 $\mathsf{K} < \mathsf{M} ? \mathsf{A} = \mathsf{P} \ \# \ \mathsf{Q} \geq \mathsf{Y}$

(a) ≥, > (b) <, > (c) >, ≥ (d) =, > (e) None of these

Q14. Which of the following symbols should replace the sign (%) and (@) in the given expression in order to make the expressions X < M and $R \ge Z$ definitely true? $P > M \ge Q \% Z = X @ R$

(a) ≥, > (b) ≥, ≤ (c) >, ≤ (d) =, ≥ (e) None of these

Q15. Which of the following expression will be definitely false if the expression 'A \leq R < C = D \geq E > B' is definitely true?

(a) C > A

- (b) D > B
- (c) B > C
- (d) $E \leq C$
- (e) None is false



Solutions

Solutions (1-5): S1. Ans.(e) S2. Ans.(a) S3. Ans.(e) S4. Ans.(e) S5. Ans.(d)

Solutions (6-10):

S6. Ans.(c) Sol. I. Y < B (true) *S7*. Ans.(b)

II. $C \ge Q(false)$

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Sol. I. A > Q (false) S8. Ans.(a)	II. A ≥ J(true)
Sol. I. H > T(true)	II. H > G(true)
<i>S9</i> . Ans.(d) Sol. I. N < X (false)	II. W < F(false)
S10. Ans.(d) Sol. I. $W \ge F$ (false)	II. K > W (false)

S11. Ans.(d)

S12. Ans.(d)

S13. Ans.(c) Sol. K < M > A = P \ge Q \ge Y

S14. Ans.(c) Sol. $P > M \ge Q > Z = X \le R$

S15. Ans.(c)



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