

# 108 DAYS ONLINE COACHING DAY(78) -21/05/2020 THURSDAY

Inequality and coding inequality



Name of the candidate \*

M3

Place of the candidate \*

Thiruvananthapuram

WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) \*

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Please watch the following videos and answer the following questions

<https://youtu.be/-fuLU6dSnpE>, <https://youtu.be/6MUWP0riZJY>, [https://youtu.be/\\_QycScnrjrM](https://youtu.be/_QycScnrjrM)

1.  $A > B = C \geq D, V \geq G \leq H = D$ .....Conclusion: I.  $C \geq D$  II.  $A > H$  III.  $B \geq G$  IV.  $C < V$  \*

1 point

- Only I and II are true
- Only III and IV are true
- Only I, II and III are true
- All I, II and III are true
- None of these

2. Statements:  $M \leq N < L \geq Q, R > T \geq Q$ .....Conclusions: I.  $R \geq L$  II.  $T \leq N$  III.  $L > M$  IV.  $R \geq M$  \*

1 point

- Only III and IV are true
- Only III is true
- Only I and IV are true
- All I, II, III and IV are true
- None of these

3. Statement:  $M \geq P < H, V > T = M$ .....Conclusions: I.  $V > P$  II.  $T \geq H$  \*

1 point

- If only conclusion I is true
- If only conclusion II is true
- If either conclusion I or II is true
- If neither conclusion I nor II is true
- If both conclusions I and II are true

4. 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.  $C > H$  \*

1 point

- Only I and III are true
- All I, II, III and IV are true
- Only II and IV are true
- Only II is true
- None of these

5. Statements:  $G < K < L < M$ ,  $K > F$ .....Conclusions:I.  $G < F$ II.  $M > F$  \*

1 point

- A - If only conclusion I is valid.
- B - If only conclusion II is valid.
- C - If either conclusion I or II is valid.
- D - If neither conclusion I or II is valid.
- E - If both the conclusion I and II are valid.

6.Statements:  $A > D < O \geq G = N \geq Y > Z$ .....Conclusions:I.  $O > Y$ II.  $O = Y$  \*

1 point

- A - If only conclusion I is valid.
- B - If only conclusion II is valid.
- C - If either conclusion I or II is valid.
- D - If neither conclusion I or II is valid.
- E - If both the conclusion I and II are valid

7. Statements:  $M \geq O > P = L < Q < H$ .....Conclusions:I.  $M > L$ II.  $Q > O$  \*

1 point

- A - If only conclusion I is valid.
- B - If only conclusion II is valid.
- C - If either conclusion I or II is valid.
- D - If neither conclusion I or II is valid.
- E - If both the conclusion I and II are valid.

A&B indicates that A is neither higher than nor equal to B A%B indicates that A is not higher than B A8B indicates that A is neither shorter than nor equal to B A\$B indicates that A is neither shorter nor higher than B A@B indicates that A is not shorter than B Now, in the following question, assuming the given statements to be valid, find out which of the two conclusions I and II given below them is /are definitely valid.

8. Statements:  $K@J$ ,  $J8O$ ,  $K\%N$  Conclusions: I.  $N\$O$  II.  $K8O$  \*

1 point

- A - If only conclusion I is valid.
- B - If only conclusion II is valid.
- C - If either conclusion I or II is valid.
- D - If neither conclusion I or II is valid.
- E - If both the conclusion I and II are valid.

9. Statements:  $H\leq U < L$ ,  $P\geq I < W = L$  Conclusions: I.  $U > I$  II.  $W > H$  \*

1 point

- A - If only conclusion I is valid.
- B - If only conclusion II is valid.
- C - If either conclusion I or II is valid.
- D - If neither conclusion I or II is valid.
- E - If both the conclusion I and II are valid.

10. Statements:  $H > K < F \geq L = M \geq E > Z$ .....Conclusions:I.  $F > E$ II.  $F = E$  \*

1 point

- A - If only conclusion I is valid.
- B - If only conclusion II is valid.
- C - If either conclusion I or II is valid.
- D - If neither conclusion I or II is valid.
- E - If both the conclusion I and II are valid.

In the following question, some symbols are used with the letters having the following meanings as illustrated below: $M \times N$  suggests that M is not higher than N. $M \sim N$  suggests that M is neither shorter than nor equal to N. $M \& N$  suggests that M is neither higher than nor equal to N. $M () N$  suggests that M is neither shorter nor higher than  $M \# N$  suggests that M is not shorter than N.In the following question, assuming the given statements to be valid, find out which of the two conclusions I and II given below them is /are definitely valid.

11. Statements:  $F () S, S \times G, G \# T, T \& K$ .....Conclusions:I.  $F \# G$ II.  $T \& F$  \*

1 point

- A - If only conclusion I is valid.
- B - If only conclusion II is valid.
- C - If either conclusion I or II is valid.
- D - If neither conclusion I or II is valid.
- E - If both the conclusion I and II are valid.

'A © B' means 'A is either smaller than or equal to B.' 'A % B' means 'A is neither smaller than nor equal to B.' 'A @ B' means 'A is either greater than or equal to B.' 'A \$ B' means 'A is neither greater than nor equal to B.' 'A # B' means 'A is neither greater than nor smaller than B.'

12. Statements : P © R, R # F, F @ T.....Conclusions : I. T © R II. F # P \*

1 point

- if only conclusion I is true
- if only conclusion II is true
- if either conclusion I or II is true
- if neither conclusion I nor II is true
- if both conclusions I and II are true

13. Statements : L @ R, R % T, T # M.....Conclusions : I. M \$ R II. T \$ L \*

1 point

- if only conclusion I is true
- if only conclusion II is true
- if either conclusion I or II is true
- if neither conclusion I nor II is true
- if both conclusions I and II are true

14. Statements :  $C \% F, F @ G, G \textcircled{C} M$ .....Conclusions : I.  $M \% F$  II.  $C @ G$  \*

1 point

- if only conclusion I is true
- if only conclusion II is true
- if either conclusion I or II is true
- if neither conclusion I nor II is true
- if both conclusions I and II are true

(15-19):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:

15. \*

1 point

**Statements:**

$$N > O \geq M = J \leq K < Q \leq S$$

**Conclusions:**

I.  $M < S$

II.  $O \geq Q$

- Both conclusions I and II are true
- Either conclusion I or II is true
- Only conclusion I is true
- Neither conclusions I nor II is true
- Only conclusion II is true



16. \*

1 point

**Statements:**

$$H > G < C = E \geq K < D \leq B$$

**Conclusions:**

I.  $G \leq D$

II.  $G > D$

- Both conclusions I and II are true
- Only conclusion II is true
- Neither conclusion I nor II is true
- Either conclusions I or II is true
- Only conclusions I is true

17. \*

1 point

**Statements:**

$$T < U = Z \leq W; V < U$$

**Conclusions:**

I.  $V > Z$

II.  $W > V$

- Both conclusion I and II are true
- Either conclusion I or II is true
- Neither conclusion I nor II is true
- Only conclusion I is true
- Only conclusion II is true

18. \*

1 point

**Statements:**

$$K = L < N > P \leq R > M; R \geq O$$

**Conclusions:**

I.  $L < O$

II.  $K \geq O$

- Only conclusion II is true
- Either conclusion I or II is true
- Both conclusion I and II are true
- Neither conclusion I nor II is true
- Only conclusion I is true

19. \*

1 point

**Statements:**

$$F < E < H \leq R > M; E \geq K; C < K$$

**Conclusions:**

I.  $C < H$

II.  $R > K$

- Neither conclusion I nor II is true
- Both conclusions I and II are true
- Only conclusion II is true
- Either conclusion I or II is true
- Only conclusion I is true

Directions (20-24): Study the following information carefully to answer the given questions.  $P @ Q - P$  is neither greater than nor equal to  $Q$   $P \% Q - P$  is neither smaller than nor equal to  $Q$   $P \# Q - P$  is not greater than  $Q$   $P \$ Q - P$  is not smaller than  $Q$   $P * Q - P$  is neither smaller than nor greater than  $Q$

20..Statements:  $Z@Y, Y\%X, X*W, W\$V$ .....Conclusions: I.  $Y\%V$  II.  $Z\%V$  \*

1 point

- Only conclusion I follows
- Only conclusion II follows
- Either conclusion I or II follows
- Neither conclusion I nor II follow
- Both conclusion I and II follows

21.Statements:  $A\%D, B@E, D\#C, E*C$ .....Conclusions: I.  $C\$A$  II.  $E@A$  \*

1 point

- Only conclusion I follows
- Only conclusion II follows
- Either conclusion I or II follows
- Neither conclusion I nor II follow
- Both conclusion I and II follows

22. Statements:  $G * K$ ,  $K \$ M$ ,  $M \# N$ ,  $N @ O$ .....Conclusions: I.  $K \% N$  II.  $M @ O$  \*

1 point

- Only conclusion I follows
- Only conclusion II follows
- Either conclusion I or II follows
- Neither conclusion I nor II follow
- Both conclusion I and II follows

23.  $S \$ T$ ,  $W \$ U$ ,  $T * W$ ,  $U @ V$ .....Conclusions: I.  $S \$ U$  II.  $V @ T$  \*

1 point

- Only conclusion I follows
- Only conclusion II follows
- Either conclusion I or II follows
- Neither conclusion I nor II follow
- Both conclusion I and II follows

24. Statements:  $A\%B$ ,  $C\$E$ ,  $D@B$ ,  $D^*C$ .....Conclusions: I.  $A\%C$  II.  $E@B$  \*

1 point

- Only conclusion I follows
- Only conclusion II follows
- Either conclusion I or II follows
- Neither conclusion I nor II follow
- Both conclusion I and II follows

In these questions, relationship between different elements is shown in the statements. These statements are followed by some conclusions. Read the statements and then decide which of the following conclusions follow from the given statements.

25. \*

1 point

**Statement:**

$$K < G \leq J, A > D, A \leq G = H$$

**Conclusions:**

I.  $K < D$

II.  $H > A$

III.  $A \leq J$

IV.  $D < H$

- Only I and II follow
- Only III and IV follow
- Only I, II and III follow
- Only I and IV follow
- All follow

**Thankyou!!!**

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