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Inequalities Questions for RBI Asst. Pre, IBPS Clerk Pre and SBI Clerk Pre Exams

Inequalities Quiz 33

Directions (1-5): In this questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions and give answer accordingly.

1. **Statements: J = K > M = L; N = M**
   Conclusions: I. J > N II. L > N

   A. If only conclusion I is true.
   B. If both conclusion I and II are true.
   C. If neither conclusion I nor II is true.
   D. If either conclusion I or II is true.
   E. If only conclusion II is true.

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2. **Statements: A ≥ W = B ≤ X; Z ≥ X**
   Conclusions: I. A ≥ B II. Z ≥ B

   A. If only conclusion I is true.
   B. If both conclusion I and II are true.
   C. If neither conclusion I nor II is true.
   D. If either conclusion I or II is true.
   E. If only conclusion II is true.

3. **Statements: P ≥ Q ≤ R > S; S ≥ T**
   Conclusions: I. T > R II. S > P

   A. If only conclusion I is true.
   B. If both conclusion I and II are true.
   C. If neither conclusion I nor II is true.
   D. If either conclusion I or II is true.
   E. If only conclusion II is true.

4. **Statements: A > C > B = D; F ≤ D**
Conclusions: I. F > A II. A > F

A. If only conclusion I is true.
B. If both conclusion I and II are true.
C. If neither conclusion I nor II is true.
D. If either conclusion I or II is true.
E. If only conclusion II is true.

5. **Statements: J ≥ K ≥ L ≥ M; M ≥ N**
Conclusions: I. J > N II. J = N

A. If only conclusion I is true.
B. If both conclusion I and II are true.
C. If neither conclusion I nor II is true.
D. If either conclusion I or II is true.
E. If only conclusion II is true.

6. **Which of the following symbols when filled from left to right in the blanks will make conclusions "B < E" definitely true?**

A < B _ C ≤ D_ E > F

A. ≤ , <
B. <, <
C. >, ≤
D. > , =
E. Both options A and B

7. **Which of the following symbols when filled from left to right in the blanks will make conclusions "S > P" definitely true?**

P _ Q < R_ S > T > U

A. >, >
B. <, <
C. >, ≤
D. > , =
E. None of these

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8. **Which of the following symbols when filled from left to right in the blanks will make conclusions "M = K" definitely true?**

J > K _ L_ M < N > O

A. >, > B. <, < C. =, =

D. > , = E. None of these

9. **Which of the following symbols when filled from left to right in the blanks will make conclusions "U ≤ Y" definitely true?**

T > U _ V ≤ W ≤ X _ Y

A. ≤, ≤ B. <, < C. ≥, ≥

D. > , = E. None of these

10. **Which of the following symbols when filled from left to right in the blanks will make conclusions "M ≤ Z" definitely true?**

L > M _ P_ Z > C ≤ D

A. ≤, ≤ B. <, < C. ≤, ≤

D. < , = E. None of the

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Correct Answers:

1	2	3	4	5	6	7	8	9	10
A	B	C	E	D	E	B	C	A	C

Explanation:

1. Given statements:

J = K > M = L.... (i)

N = M.... (ii)

Combining (i) and (ii), we get

J = K > M = L = N.... (iii)

Conclusion I: From (iii), we get J > N is true. Thus, Conclusion I follows.

Conclusion 2: From (iii), we get L > N is not true. It is clear that L = N. Thus, Conclusion 2 does not follow.

Hence, option A is correct answer.

2. Given statements:

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A ≥ W = B ≤ X ≤ Z.... (i)

X ≤ Z.... (ii)

Combining (i) and (ii), we get

A ≥ W = B ≤ X ≤ Z.... (iii)

Conclusion I: From (iii), we get A ≥ B is true. Thus, Conclusion I follows.

Conclusion 2: From (iii), we get Z ≥ B is true. Thus, Conclusion 2 also follows.

Hence, option B is correct answer.

3. Given statements:

P ≥ Q ≤ R > S.... (i)

S ≥ T.... (ii)

Combining (i) and (ii), we get

P ≥ Q ≤ R > S ≥ T.... (iii)

Conclusion I: From (iii), we get T > R is not true. Thus, Conclusion I does not follow.

Conclusion 2: From (iii), we get S > P is not true. Thus, Conclusion 2 does not follow.

Hence, option C is correct answer.

4. Given statements:

A > C > B = D.... (i)

F ≤ D.... (ii)

Combining (i) and (ii), we get

A > C > B = D ≥ F.... (iii)

Conclusion I: From (iii), we get F > A is not true. It is clear that C > F and C < A so F < A. Thus, Conclusion I does not follow.

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Conclusion 2: From (iii), we get A > F is true. It is clear that C > F and C < A so F < A. Thus, Conclusion 2 follows.

Hence, option E is correct answer.

5. Given statements:

J ≥ K ≥ L ≥ M.... (i)

M ≥ N.... (ii)

Combining (i) and (ii), we get

J ≥ K ≥ L ≥ M ≥ N.... (iii)

Conclusion I: From (iii), we get J > N is not true, because it is clear J is either equal or greater than N. Thus, Conclusion I does not follow alone.

Conclusion 2: From (iii), we get J = N is not true, because it is clear J is either equal or greater than N. Thus, Conclusion 2 does not follow alone.

So we get either conclusion I or II is follows.

Hence, option D is correct answer.

6. Checking option A:

A < B ≤ C ≤ D < E > F,

Clearly we get E > B from option A. Hence option A is true.

Checking option B:

A < B < C ≤ D < E > F

The common sign between B and E is '<', thus B < E is true.

Hence option B is also true.

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So we get option E "Both options A and B" right answer.

7. Checking option A:

P > Q < R > S > T > U

Clearly we get, both signs < and > between P and S from option A.Thus no relation is possible between S and P. Hence option A is not true.

Checking option B:

P < Q < R < S > T > U

The common sign between P and S is '<', thus P < S is true.

Hence option B is true.

8. Checking option A:
J > K > L> M < N > O
Clearly we get, the common sign between K and M is '>', makes K > M. Hence option A is not true.

Checking option B:

J > K < L < M < N > O

The common sign between K and M is '<', makes K < M. Hence option B is not true.
Checking option C:

J > K = L = M < N > O

The common sign between K and M is '=', makes K = M. Hence option C is true.

9. Checking option A:

T > U ≤ V ≤ W ≤ X ≤ Y

Clearly we get U ≤ Y from option A. Because the common sign between U and Y is '≤', thus U ≤ Y is true.

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Hence option A is true.

10. Checking option A:

L > M ≤ P< Z > C ≤ D P < Z and M ≤ P that means M < Z, thus M ≤ Z is not definitely true. Hence option A is not true.

Checking option B:

L > M < P < Z > C ≤ D

The common sign between M and Z is '<', thus M < Z. Hence option B is not true.

Checking option C:

L > M ≤ P ≤ Z > C ≤ D The common sign between M and Z is '≤', thus 'M ≤ Z' is true.

Hence option C is true.

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