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

Inequalities Quiz 32

Directions : Study the following question carefully and choose the right answer:

1. Which of the following set of letters when filled in the blanks from left to right will make "D \leq B" definitely true?

_ < _ > _ = _ \leq _ \leq _

A. ABCDEF B. BDEFAC C. DACBEF D. CADEFB E. None of these

2. Which of the following set of letters when filled in the blanks from left to right will make "E < F" definitely true?

_ = _ < _ = _ \leq _ < _

A. AFBCDE B. AECDLF C. CDBAFE D. DFACEB E. None of these

3. Which of the following set of letters when filled in the blanks from left to right will make "A > F" definitely true?

_ \geq _ < _ > _ = _ = _

A. BEADCF B. EBFCDA C. EAFDCB D. AFDEBC E. None of these

4. Which of the following set of letters when filled in the blanks from left to right will make "B > A" definitely true?

_ < _ > _ < _ > _ > _

A. BFADEC B. CFEADB C. FDEBCA D. FDBACE E. None of these

5. Which of the following symbols when filled from left to right in the blanks will make conclusions "I \geq M" definitely true?

_ \geq _ \geq _ \geq _ < _ < _

A. IJKMNO B. IKJNMO C. KMNOIJ D. ONMKJI E. None of these



6. Assume the given information to be true and mark the appropriate option.

Statements: $J > K < L \geq M$; $P = T \leq L$

Conclusions: I. $J > M$ II. $P \leq L$ III. $T \geq M$

- A. If only conclusion I is true.
- B. If only conclusion II is true.
- C. If only conclusion III is true.
- D. If all conclusions are true.
- E. If no conclusion is true.

7. Assume the given information to be true and mark the appropriate option.

Statements: $A < B = C \geq G$; $B = I \leq M$

Conclusions: I. $G < M$ II. $G = M$ III. $M \geq A$

- A. If only conclusion I is true.
- B. If only conclusion II is true.
- C. If only conclusion III is true.
- D. If either conclusion I or II is true
- E. If no conclusion is true.

8. Assume the given information to be true and mark the appropriate option.

Statements: $P = Q = S < R$; $W \leq X > R$

Conclusions: I. $X > Q$ II. $W > R$ III. $Q \geq W$

- A. If only conclusion I is true.
- B. If only conclusion II is true.
- C. If only conclusion III is true.
- D. If either conclusion II or III is true
- E. If no conclusion is true.



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9. Assume the given information to be true and mark the appropriate option.

Statements: $Z \leq P = M \leq E$; $M = Q \leq W$

Conclusions: I. $Z > Q$ II. $E \leq W$ III. $P \geq E$

- A. If only conclusion I is true.
- B. If only conclusion II is true.
- C. If only conclusion III is true.
- D. If all conclusions are true.
- E. If no conclusion is true.

10. Assume the given information to be true and mark the appropriate option.

Statements: $K > T > Y > B$; $T = A > Z$

Conclusions: I. $Y < A$ II. $K > Z$ III. $K > B$

- A. If only conclusion I is true.
- B. If only conclusion II is true.
- C. If only conclusion III is true.
- D. If all conclusions are true.
- E. If no conclusion is true.



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Correct Answers:

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

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Explanation:

1. Let us check each of the options one by one.

$$- < - > - = - \leq - \leq -$$

Option A: ABCDEF

$$A < B > C = D \leq E \leq F$$

Clearly B is at 2nd position from left and D at 4th position from left. So it will make $B > D$. But we need " $D \leq B$ " definitely true. Which is not true in option A.

Option B: BDEFAC

$$B < D > E = F \leq A \leq C.$$

Clearly we get $D > B$.

Hence option B is incorrect.

Option C: DACBEF

$$D < A > C = B \leq E \leq F.$$

Clearly we get $A > B$ and $D < A$. So no relation can be formed. Hence option C is also incorrect.

Option D: CADEFB

$$C < A > D = E \leq F \leq B.$$

Clearly we get $D \leq B$.

Hence option D is also correct.



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2. Let us check each of the options one by one.

$_ = _ < _ = _ \leq _ < _$

Option A: AFBCDE

$A = F < B = C \leq D < E$

Clearly we get $E > F$.

Hence option A is incorrect.

Option B: AECDLF

$A = E < C = D \leq B < F$

Clearly we get $F > E$.

Hence option B is correct answer.

In options only one answer is possible Hence B is correct answer.



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3. Let us check each of the options one by one.

$_ \geq _ < _ > _ = _ = _$

Option A: BEADCF

$B \geq E < A > D = C = F$

Clearly we get $A > F$.

Hence option A is correct answer.



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4. Let us check each of the options one by one.

_ < _ > _ < _ > _ > _

Option A: BFADEC

_ < _ > _ < _ > _ > _

Clearly we get F > B and F > A, but no direct relation between A and B can be established.

Hence option A is incorrect answer.

Option B: CFEADB

C < F > E < A > D > B

Clearly we get A > B. Hence option B is incorrect answer.

Option C: FDEBCA

F < D > E < B > C > A

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Clearly we get B > A.

Hence option C is correct answer.

5. Let us check each of the options one by one.

_ \geq _ \geq _ < _ < _

Option A: IJKMNO

I \geq J \geq K \geq M < N < O

Clearly we get I \geq M.

Hence option A is correct answer.

6. Given statements:

$$J > K < L \geq M; P = T \leq L$$

Checking I. $J > M$

The common signs between J and M are ' $>$ ', ' $<$ ', thus no relation is possible between two. Hence conclusion I is not true.

Checking II. $P \leq L$

The common sign between P and L is ' \leq ', thus $P \leq L$ is the true. Hence conclusion II is true.

Checking III. $T \geq M$

Combining both statements we get $T \leq L \geq M$, so it is clear that no relation is possible between T and M. Thus conclusion III is not true.

Hence option B is correct answer.

7. Given statements:

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$$A < B = C \geq G; B = I \leq M$$

Checking I. $G < M$

The common sign between G and M is ' \leq ', thus $G < M$ is not definitely true. Hence conclusion I is not true.

Checking II. $G = M$

The common sign between G and M is ' \leq ', thus $G = M$ is not definitely true. Hence conclusion II is not true.

Checking III. $M \geq A$

Combining both statements we get $A < B = I \leq M$, so it is clear that $A < M$. Thus conclusion III is not true.

As common signs between G and M is ' \leq ', thus either $G < M$ or $G = M$ must be true.

Hence option D is correct answer.

8. Combining both statements we get:

$$W \leq X > R > S = Q = P$$

Checking I. $X > Q$

The common sign between X and Q is ' $>$ ', thus $X > Q$ is definitely true. Hence conclusion I is true.

Checking II. $W > R$

The common signs between W and R, are ' $>$, \leq ', thus no relation between two is possible. Hence conclusion II is not true.

Checking III. $Q \geq W$

The common signs between Q and W are ' $>$, \leq ', thus no relation between two is possible. Hence conclusion III is not true.

Hence option A is correct answer.

9. Given statements:

$$Z \leq P = M \leq E; M = Q \leq W$$

Checking I. $Z > Q$

The common sign between Z and Q is ' \leq ', thus $Z > Q$ is not a true conclusion. Hence conclusion I is not true.



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Checking II. $E \leq W$

The common signs between E and W are ' \leq, \geq ', thus no relation is possible between two. Hence conclusion II is not true.

Checking III. $P \geq E$

The common sign between P and E is ' \leq ', thus $P \geq E$ is not a true conclusion. Thus conclusion III is not true.

Hence option E is correct answer.

10. Given statements:

$$K > T > Y > B; T = A > Z$$

Checking I. $Y < A$

Combining S1 and S2 we get:

$$A = T > Y$$

The common sign between A and Y is ' $>$ ', thus $A > Y$ is a true conclusion. Hence conclusion I is true.

Checking II. $K > Z$

Combining S1 and S2 we get:

$$K > T = A > Z$$

The common sign between K and Z is ' $>$ ', thus $K > Z$ is a true conclusion. Hence conclusion II is true.

Checking III. $K > B$

The common sign between K and B is ' $>$ ', thus $K > B$ is a true conclusion. Hence conclusion III is true.

Hence option D is correct answer.

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