

## Inequalities Questions for SBI Clerk Mains, IBPS Clerk Mains, SBI PO Pre and IBPS PO Pre Exams.

## Inequalities Quiz 28

Directions: In the following questions, symbols @,\%,\$,* and \# are used with the following meaning as illustrated below.

A @ B means ' $A$ is not less than $B$ '
$A \$ B$ means ' $A$ is not more than $B '$
$A$ \# $B$ means ' $A$ is neither less nor more than $B$ '
$A$ * $B$ means ' $A$ is neither more than nor equal to $B^{\prime}$
$A$ \% B means ' $A$ is neither less than nor equal to $B^{\prime}$

1. Statements : V@I\#E*D ; N\$E\%B\#F

Conclusions:I.D\%F II.V@B
A. Only conclusion I follows
B. Only conclusion II follows
C. Both conclusion I and conclusion II follows
D. Either conclusion I or conclusion II follows
E. Neither conclusion I nor conclusion II follows
2. Statements : R\#M\$X*T\%W@B

Conclusions: I.M*W II.T@M
A. Only conclusion I follows
B. Only conclusion II follows
C. Both conclusion I and conclusion II follows
D. Either conclusion I or conclusion II follows
E. Neither conclusion I nor conclusion II follows
3. Statements: F*D\$E\#R*S@V\%K

Conclusions: I.D*R II. D\#R
A. Only conclusion I follows
B. Only conclusion II follows
C. Both conclusion I and conclusion II follows
D. Either conclusion I or conclusion II follows
E. Neither conclusion I nor conclusion II follows
4. Statements : M@A\#S\%R ; C\$R\#E

Conclusions:I.S\%C II. M\%E
A. Only conclusion I follows
B. Only conclusion II follows
C. Both conclusion I and conclusion II follows
D. Either conclusion I or conclusion II follows
E. Neither conclusion I nor conclusion II follows

## 5. Statements : V@I\#E*D ; N\$E\%B\#F

## Conclusions:I. V\%F II.V@N

A. Only conclusion I follows
B. Only conclusion II follows
C. Both conclusion I and conclusion II follows
D. Either conclusion I or conclusion II follows
E. Neither conclusion I nor conclusion II follows

## Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :--- | :--- | :--- | :--- | :--- |
| A | E | D | C | C |



## Explanations:

1. Interpretation of the coded symbols:
$A @ B$ means ' $A$ is not less than $B^{\prime}$ i.e. $A \geq B$
$A \$ B$ means ' A is not more than B ' i.e. $\mathrm{A} \leq \mathrm{B}$
$A$ \# $B$ means ' $A$ is neither less nor more than $B$ ' i.e. $A=B$
$A$ * $B$ means ' $A$ is neither more than nor equal to $B$ ' i.e. $A<B$

A \% B means 'A is neither less than nor equal to $B^{\prime}$ i.e. $A>B$

We will decode the given statements as per the above interpreted signs.
Statements: $\mathrm{V} \geq \mathrm{I}=\mathrm{E}<\mathrm{D} ; \mathrm{N} \leq \mathrm{E}>\mathrm{B}=\mathrm{F}$

Conclusions: I. D > F II. V $\geq$ B

For conclusion I:

From both the statements we get:

F $=$ B $<\mathrm{E}<\mathrm{D}$


The common sign between $F$ and $D$ is ' $<$ ', thus $F<D$ or $D>F$ is true.
Hence conclusion I follows.

For conclusion II:

From both the statements we get:
$V \geq I=E>B$

The common sign between $V$ and $B$ is ' $>$ ', thus $V>B$ is the actual relationship.

Hence conclusion II does not follow.

Therefore only conclusion I follows

Hence option A is correct.
2. Interpretation of the coded symbols:
$A @ B$ means ' $A$ is not less than $B$ ' i.e. $A \geq B$
$A \$ B$ means ' $A$ is not more than $B$ ' i.e. $A \leq B$
$A$ \# $B$ means ' $A$ is neither less nor more than $B$ ' i.e. $A=B$
$A$ * $B$ means ' $A$ is neither more than nor equal to $B^{\prime}$ i.e. $A<B$
$A$ \% $B$ means ' $A$ is neither less than nor equal to $B$ ' i.e. $A>B$
We will decode the given statements as per the above interpreted signs.
Statements: $\mathrm{R}=\mathrm{M} \leq \mathrm{X}<\mathrm{T}>\mathrm{W} \geq \mathrm{B}$
Conclusions: I. M < W II. T $\geq$ M
For conclusion I:
We can clearly see the opposite sign persisting between $M$ and $W$, thus no relationship between them can be established.

## Hence conclusion I does not follow.

## For conclusion II:

The common sign between M and T is ' $<$ ', thus $\mathrm{M}<\mathrm{T}$ or $\mathrm{T}>\mathrm{M}$ is the actual relationship.

## Hence conclusion II does not follow.

Therefore neither conclusion I nor II follows.
Hence option E is correct.
3. Interpretation of the coded symbols:
$A$ @ $B$ means ' $A$ is not less than $B$ ' i.e. $A \geq B$
$A \$ B$ means ' $A$ is not more than $B^{\prime}$ i.e. $A \leq B$
$A$ \# $B$ means ' $A$ is neither less nor more than $B$ ' i.e. $A=B$
$A$ * $B$ means ' $A$ is neither more than nor equal to $B$ ' i.e. $A<B$
$A$ \% $B$ means ' $A$ is neither less than nor equal to $B$ ' i.e. $A>B$
We will decode the given statements as per the above interpreted signs.
Statements: $\mathrm{F}<\mathrm{D} \leq \mathrm{E}=\mathrm{R}<\mathrm{S} \geq \mathrm{V}>\mathrm{K}$
Conclusions: I. $\mathrm{D}<\mathrm{R}$ II. $\mathrm{D}=\mathrm{R}$

## For conclusion I:

$D \leq E=R$
The common sign between $D$ and $R$ is ' $\leq$ ', thus $D \leq R$ is the actual relationship.
So either $\mathrm{D}<\mathrm{R}$ or $\mathrm{D}=\mathrm{R}$ is true.
Therefore either conclusion I or II follows.
Hence option D is correct.
4. Interpretation of the coded symbols:
$A$ @ $B$ means ' $A$ is not less than $B$ ' i.e. $A \geq B$
$A \$ B$ means ' $A$ is not more than $B$ ' i.e. $A \leq B$
$A$ \# $B$ means ' $A$ is neither less nor more than $B$ ' i.e. $A=B$
$A$ * $B$ means ' $A$ is neither more than nor equal to $B$ ' i.e. $A<B$
$A$ \% $B$ means ' $A$ is neither less than nor equal to $B$ ' i.e. $A>B$

We will decode the given statements as per the above interpreted signs.
Statements: $\mathrm{M} \geq \mathrm{A}=\mathrm{S}>\mathrm{R} ; \mathrm{C} \leq \mathrm{R}=\mathrm{E}$

Conclusions: $\mathrm{I} . \mathrm{S}>\mathrm{C}$ II. $\mathrm{M}>\mathrm{E}$

## For conclusion I:

From both the statements we get:
$C \leq R<S$

The common sign between $C$ and $S$ is ' $<$ ', thus $C<S$ or $S>C$ is true.
Hence conclusion I follows.

## For conclusion II:

From both the statements we get:
$M \geq A=S>R=E$
The common sign between $M$ and $E$ is ' $>$ ', thus $M>E$ is the actual relationship.

## Hence conclusion II follows.

Therefore both conclusions I and II follow.

Hence option C is correct.
5. Interpretation of the coded symbols:
$A @ B$ means ' $A$ is not less than $B$ ' i.e. $A \geq B$
$A \$ B$ means ' A is not more than $\mathrm{B}^{\prime}$ i.e. $\mathrm{A} \leq \mathrm{B}$
$A$ \# $B$ means ' $A$ is neither less nor more than $B$ ' i.e. $A=B$
$A$ * $B$ means ' $A$ is neither more than nor equal to $B$ ' i.e. $A<B$
$A$ \% $B$ means ' $A$ is neither less than nor equal to $B^{\prime}$ i.e. $A>B$

We will decode the given statements as per the above interpreted signs.
Statements: $\mathrm{V} \geq \mathrm{I}=\mathrm{E}<\mathrm{D} ; \mathrm{N} \leq \mathrm{E}>\mathrm{B}=\mathrm{F}$

Conclusions: I. V > F II. V $\geq$ N

## For conclusion I:

From both the statements we get:
$\mathrm{V} \geq \mathrm{I}=\mathrm{E}>\mathrm{B}=\mathrm{F}$

The common sign between $V$ and $F$ is ${ }^{\prime}>$ ', thus $V>F$ is true.

Hence conclusion I follows.

## For conclusion II:

From both the statements we get:
$V \geq I=E \geq N$

The common sign between $V$ and $N$ is ' $\geq$ ', thus $V \geq N$ is the actual relationship.

## Hence conclusion II follows.

Therefore both conclusions follow.

Hence option C is correct.

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