## CHAPTER

# **Coded Inequalities**

**DIRECTIONS (Qs. 1-5): In the following questions, the symbols** (a), \$,  $\star$ , # and  $\delta$  are used with the following meaning as illustrated below:

(SBI PO 2010)

'P \$ Q' means 'P is not smaller than Q'.

'P @ Q' means 'P is neither smaller than nor equal to Q'.

'P # Q' means 'P is neither greater than nor equal to Q'.

'P δ Q' means P is neither greater than nor smaller than Q'.

'P ★ Q' means 'P is not greater than Q'

Now in each of the following questions assuming the given statements to be true, find which of the four conclusions I, II, Ill and IV given below them is/are definitely true and give your answer accordingly.

#### **Statements:**

H@T, T#F, FδE, E★v

Conclusions: I. V \$ F

II. E@T

III.H@V

IV. T#V

- (a) Only I, II and III are true
- (b) Only I, II and IV are true
- Only II, III and IV are true
- (d) Only I, III and IV are true
- (e) All I, II, III and IV are true

#### **Statements:**

D#R, R★K,K@F, F\$J

Conclusions: I. J#R

II. J#K III. R#F

IV. K@D

- (a) Only I, II and III are true
- Only II, III and IV are true
- Only I, III and IV are true (c)
- All I, II, III and IV are true (d)
- (e) None of these

#### 3. **Statements:**

 $N \delta B$ , B S W, W # H,  $H \star M$ 

Conclusions: I. M @ W

II. H@N

III. WδN

IV. W # N

- (a) Only I is true
- Only III is true
- Only IV is true
- (d) Only either III or IV is true
- (e) Only either III or IV and I are true

#### **Statements:**

 $R \star D$ , D\$J, J#M, M@K

#### **Conclusions:**

K # J

Π. D@M

R#M

D@K

(a) None is true

(b) Only I is true

(c) Only II is true

(d) Only III is true

(e) Only IV is true

#### 5. **Statements:**

M\$K, K@N,N $\star$ R, R#W

I. W @ K **Conclusions:** 

II. M\$R

III. K @ W

IV. M@N

- (a) Only I and II are true
- Only I, II and III are true
- Only III and IV are true (c)
- Only II, III and IV are true (d)
- None of these

DIRECTIONS (Qs. 6-10): In the following questions, the symbols δ, @, C, % and \* are used with the following meaning as illustrated below:

(SBI PO 2010)

'P © Q' means 'P is not smaller than Q'.

'P % Q' means 'P is neither smaller than nor equal to Q'.

'P \* Q' means 'P is neither greater than nor equal to Q'.

'P δ Q' means 'P is not greater than Q'.

'P @ O' means 'P is neither greater than nor smaller than O'.

Now in each of the following questions assuming the given statements to be true, find which of the four conclusion I, II, III and IV given below them is/are definitely true and give your answer accordingly.

#### **Statements:**

 $R * K, K % D, D @ V, V \delta M$ 

#### **Conclusions:**

R\*D

II. V\*R

III. D@M

IV. M % D

(a) None is true

(b) Only III is true

Only IV is true

(d) Only either III or IV is true

(e) Only either III or IV and II are true

#### **Statements:**

 $F \% N, N © W, W \delta Y, Y * T$ 

#### **Conclusions:**

F % W

T%N II.

III. N%Y

T % W

- (a) Only I and III are true (b) Only I and IV are true
- (c) Only II and III are true (d) Only I, II and IV are true
- (e) None of these
- 8. Statements:

B © T, T \* R, R % F, F @ K

#### **Conclusions:**

- I. B%R
- II. F\*T
- III. R%K
- IV. K\*T
- (a) None is true
- (b) Only I is true
- (c) Only II is true
- (d) Only III is true
- (e) Only IV is true
- 9. Statements:

J@F,FδN,N%H,H©G

## Conclusions:

- I. G\*N
- II. N©J
- Ⅲ. F\*J
- IV. J&G
- (a) Only I and II are true
- (b) Only I, II and III are true
- (c) Only II, III and IV are true
- (d) All I, II, III and IV are true
- (e) None of these
- 10. Statements:

 $D\delta T$ , T @ R, R @ M, M % K

- I. R@D
- II. R%D
- III. K\*T
- Ιν. ΜδΤ
- (a) Only either I or II is true
- (b) Only III and IV are true
- (c) Only either I or II and III are true
- (d) Only either I or II and IV are true
- (e) Only either I or II and III and IV are true

DIRECTIONS (Qs. 11-15) : In the following questions, the symbols  $\mathbb{C}$ ,  $\delta$ , \$, \* and % are used with the following meaning as illustrated below:

## (IBPS Clerk 2011)

- (i) 'A δ B' means 'A is not greater than B'
- (ii) 'A % B' means 'A is not smaller than B'.
- (iii) 'A © B' means 'A is neither greater than nor smaller than B'.
- (iv) 'A \$ B' means 'A is greater than B'.
- (v) 'A  $\star$  B' means 'A is smaller than B'.

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true?

Give answer (a) if only Conclusion I is true.

Give answer (b) if only Conclusion II is true.

Give answer (c) if either Conclusion I or II is true.

Give answer (d) if neither Conclusion I nor II is true.

Give answer (e) if both Conclusions I and II are true.

11. Statements: R \$ J, J % M, M © K

Conclusions: I. K © J

II. K \* J

12. Statements: D  $\delta$  R, M \$ R, M  $\bigcirc$  F

Conclusions: I. F\$D

II. F\$R

13. Statements:  $H \odot F$ , F \$ R, R \* K

Conclusions: I.  $R \star H$ 

II. K\$F

14. Statements: B % D, D  $\star$  T, T  $\delta$  R

Conclusions: I. B\$T

II. R\$D

15. Statements: M % N, N \* A, A \$ B

Conclusions: I. B \* N

II. A \$ M

DIRECTIONS (Qs. 16-20): In the following questions, the symbols  $\delta \bigstar$ , \$, @ and © are used with the following meaning as illustrated below

(IBPS Clerk 2011)

'P \$ Q' means 'P is neither smaller than nor greater than Q'.

'P δ Q' means 'P is not smaller than Q'.

'P © Q' means 'P is either smaller or equal to Q'.

'P ★ Q' means 'P is smaller than Q'.

'P @ Q' means 'P is neither equal to nor smaller Q'.

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true?

- (a) if only Conclusion I is true.
- (b) if only Conclusion II is true.
- (c) if either Conclusion I or II is true.
- (d) if neither Conclusion I nor II is true.
- (e) if **both** Conclusions I and II are true.
- 6. Statements: W \$ F, F  $\delta$  R, R  $\star$  M

Conclusions: I. R ★ W

II. R\$W

17. Statements: VδT, T@N, N\$J

Conclusions: I. J ★ T

II.  $N \star V$ 

18. Statements:  $K \otimes R$ ,  $R \delta M$ ,  $M \bigstar F$ 

Conclusions: I. F@R

II. K ★ M

19. Statements: B@J, J★H, H©N

Conclusions: I. N@J

II. N@B

20. Statements: T ★ K, K © M, M δ D

Conclusions: I. D ★ K

II. M@T

DIRECTIONS (Qs. 21-25): In the following questions, the symbols  $\bigstar$ , \$, \$, \$ and % are used with the following meanings as illustrated below:

(IBPS Clerk - 2011)

'P  $\delta$  Q' means 'P is neither greater than nor equal to Q'.

'P % Q' means 'P is neither smaller nor greater than Q'.

'P ★ Q' means 'P is not greater than Q'.

'P \$ Q' means 'P is greater than Q'.

'P  $\mathbb O$  Q' means 'P is either greater or equal to Q'.

Now, in each of the following questions, assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true. Give answer

- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either conclusion I or II is true.
- (d) if neither conclusion I nor II is true.
- (e) if both conclusions I and II are true.

Statements:  $H \star K$ ,  $K \delta N$ , N \$ W

Conclusions: I. N\$H

 $II W \delta H$ 

Statements: H©K, K%R, RδN 22.

Conclusions: I. N©K

II. R%H

23. Statements: R \$ T, T © M, M % J

Conclusions: I. J%T

II. JδT

Statements:  $B \delta A$ ,  $A \bigstar M$ ,  $W \odot M$ 24.

Conclusions: I. W \$ B

 $A \star W$ 

25. Statements: B%T, T © M, M ★ D

> Conclusions: I. D © B II. M★B

DIRECTIONS (Os. 26-30): In the following questions, the symbols  $\delta$ , %, \*, \$ and  $\mathbb{C}$  are used with the following meaning as illustrated below:

(IBPS Clerk - 2011)

P % Q' means 'P is not smaller than Q'.

'p \* Q' '.means 'P is neither greater than nor equal to Q'.

'P  $\delta$  Q' means 'P is neither smaller than nor equal to Q'.

'P\$Q' means 'P is neither greater than nor smaller than Q'.

'P © Q' means' P is not greater than Q'.

Now, in each of the following questions assuming the given statements to be true. find which of the two conclusions I and II given below them is/are definitely true. Give answer

- if only conclusion I is true
- (b) if only conclusion II is true.
- (c) if either conclusion I or II is true
- if neither conclusion I nor II is true (d)
- if both conclusions I and II are true (e)
- Statements: D T, T M, M J26. Conclusions: I. J \( \D \) II. M©D
- Statements: B\*K, K\$N, N%R 27.
- II. R\*K Conclusions: I.R \$ K Statements: H%F, F\*W, W\$E28.
- II. HδW **Conclusions:** I. E  $\delta$  F
- 29. Statements:  $Z\delta D$ ,  $D \otimes K$ ,  $K\delta M$ Conclusions: I. M \* D II. ΖδΚ
- 30. Statements: W © B, N O B, N O F **Conclusions:** I. Fδ B II. W \* N

DIRECTIONS (Qs. 31-35): In the following questions, the symbols  $\delta$ , %, \$, # and @ are used with the following meaning as illustrated below:

(IBPS Clerk 2011)

- 'P \$ Q' means 'P is not smaller than Q'.
- 'P @ Q' means 'P is not greater than Q'.
- 'P  $\delta$  Q' means 'P is neither smaller than nor equal to Q'.
- 'P # Q' means 'P is neither greater than nor equal to Q'
- 'P % Q' means 'P is neither smaller than nor greater than Q'.

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true?

#### Give answer

- if only Conclusion I is true. (a)
- if only Conclusion II is true.

- (c) if either Conclusion I or II is true.
- (d) if neither Conclusion I nor II is true.
- (e) if both Conclusions I and II are true.
- **Statements:** F@N, N \delta R, H @R

**Conclusions:** ΗδΝ

II. F#R

M#T, T@K, K\$N **Statements:** 

**Conclusions:** I. M#N

П ΚδΜ

33. **Statements:** T % H, H \$ W

W # T **Conclusions:** I.

II. W%T

 $N \delta K, K \# D, D \% M$ **Statements:** 

**Conclusions:** Ι. ΜδΚ

ΙΙ. ΟδΝ

35. J\$B,B%R,R $\delta$ F **Statements: Conclusions:** 

I. F#B

II. R@J

36. Which of the following symbols should replace question mark (?) in the given expression in order to make the expressions 'A>D' and ' $\hat{F} \ge C$ ' definitely true?

 $A > B \ge C?D \le E = F$ 

(SBI PO 2011)

- (a) >
- (d) =
- (c) ≤ (e) Either = or  $\geq$
- 37. Which of the following expressions is definitely true if the given expressions 'R < P' as well as 'S > Q' are definitely (SBI PO 2011)
  - (a)  $P > Q = R \le T < S$
- (b)  $S > T \ge R > Q < P$
- (c)  $Q > \tilde{R} \le T > P \ge S$
- (d) S>T>R>Q>P

(e) None of these

**DIRECTIONS (Qs. 38-41): In these questions, relationships** between different elements is shown in the statements. These statements are followed by two conclusions.

(IBPS Clerk 2012)

Give answer (a) if only conclusion I follows.

Give answer (b) if only conclusion II follows.

Give answer (c) if either conclusion I or conclusion II follows.

Give answer (d) if neither conclusion I nor conclusion II follows.

Give answer (e) if both conclusions I and II follow.

**Statement:** 

 $A < L < T < R \le H > K$ 

**Conclusions:** 

- H>L
- K > TП
- 39. **Statement:**

 $P = N > D \ge G < B = J$ 

**Conclusions:** 

- G < P
- П. G < J

40. **Statement:** 

 $F \le C \ge V = Z > X = U$ 

**Conclusions:** 

- V < UI
- П. Z < F
- 41. **Statement:**

 $Q \le E = I > N \ge R \ge S$ 

**Conclusions:** 

- E = SL
- $S \leq N$

DIRECTIONS (Qs. 42-46): In these questions relationship between different elements is shown in the statements. The statements are followed by two conclusions.

#### (RBI Assistant 2012)

Give Answer (a): If only Conclusion I is true.
Give Answer (b): If only Conclusion II is true.
Give Answer (c): If only Conclusion I or II is true.
Give Answer (d): If neither Conclusion I nor II is true.
Give Answer (e): If both Conclusions I and II are true.

42. Statement :  $H \ge I = J > K \le L$ 

II. L≥ I

43. Statement :  $S > C \ge O$ ; P < C

Conclusions : I. O < P

II. S < P

44. Statement :  $A = B \le C; A > R$ 

Conclusions : I. B>R

II. R<C

45. Statement :  $D > E \le F$ ; J < F

Conclusions : I. D>J

II. E<J

46. Statement : P < Q > T;  $R \ge Q$ 

Conclusions : I. R>P

II. T < R

DIRECTIONS (Qs. 47-51): In these questions, relationships between different elements is shown in the statements. These statements are followed by two conclusion.

#### (SBI Clerk 2012)

Give answer (a) if only conclusion I follows

Give answer (b) if only conclusion II follows

Give answer (c) if either conclusion I or conclusion II follows Give answer (d) if neither conclusions I nor conclusion II follows

Give answer (e) if both conclusions I and II follows

47. **Statement:**  $R \ge S \ge T > U > X$ ; T < V < W

Conclusions: I. R>X

II. X < W

48. Statement: E = F < G < H;  $G \ge I$ 

Conclusions: I. H>I

II. E≥I

49. Statement: A>B>F>C; D>E>C

Conclusions: I. C<A

II. B > D

50. Statement:  $K \le L \le M = N$ ;  $P \ge O \ge N$ 

Conclusions: I. K < P

II. K = P

51. Statement:  $D \le E \le F \le G$ ; K > F

Conclusions: I. K≤G

II. K>D

DIRECTIONS (Qs. 52-56): In the following questions, the symbols @, \$, #, @ and % are used with the following meaning as illustrated below:

(IBPS PO 2012)

Now in each of the following questions assuming the given statements to be true, find which of the four conclusions I, II, III and IV given below them is/are **definitely true** and give your answer accordingly.

52. **Statement**: R#J, J\$D, D@K, K%T

#### **Conclusions:**

- I. T#D
- II. R@D
- III. R#K
- IV JST
- (a) Only either I or II is true
- (b) Only III is true
- (c) Only III and IV are true
- (d) Only either I or II and III are true
- (e) None of these
- 53. **Statement :** T % R, R \$ M, M @ D, D © H

#### **Conclusions:**

- I. D%R
- II. H#R
- III. T©M IV. T%D
- (a) Only I is true
- (b) Only I and IV are true
- (c) Only II and III are true (d) Only II and IV are true
- (e) None of these
- 54. **Statement:** M @ B, B # N, N \$ R, R © K

#### **Conclusions:**

- I. K#B
- II. R©B
- III. M\$R
- IV. N © M
- (a) Only I and III are true (b) Only I and IV are true
- (c) Only II and IV are true (d) Only II, III and IV are true
- (e) None of these
- 55. **Statement:** F#H, H@M, M©E, E\$J

#### **Conclusions:**

- I. J © M
- II. E#H
- III. M©F
- IV. F#E
- (a) Only I and II are true
- (b) Only II and III are true
- (c) Only I, II and III are true
- (d) Only II, III and IV are true
- (e) None of these
- 56. **Statement**: D % A, A @ B, B © K, K % M

## **Conclusions:**

- I. B\$D
- II. K#A
- III. M#B
- IV. A © M
- (a) Only I, II and IV are true
- (b) Only I, II and III are true
- (c) Only II, III and IV are true
- (d) Only I, III and IV are true
- (e) None of these

DIRECTIONS (Qs. 57-61): In these questions, relationships between different elements is shown in the statement. The statement is followed by two conclusions. Study the conclusions based on the given statement and select the appropriate answer.

<sup>&#</sup>x27;P \$ Q' means 'P is neither greater than nor equal to Q'.

<sup>&#</sup>x27;P © Q' means 'P is either greater than or equal to Q.'

<sup>&#</sup>x27;P#Q' means 'P is neither smaller than nor equal to Q.'

<sup>&#</sup>x27;P % Q' means 'P is not greater than Q.'

<sup>&#</sup>x27;P @ Q' means 'P is neither greater than nor smaller than Q.'

- 57. Statement:  $K > I \ge T \ge E$ ; O < R < K
  - **Conclusions:** I. R<E

II. O < T

- (a) Neither conclusion I nor II follows
- (b) Both conclusions I and II follow
- (c) Only conclusion II follows
- (d) Either conclusion I or II follows
- (e) Only conclusion I follows
- 58. Statement:  $C < L < O = U = D \ge S > Y$

Conclusions: I. O>Y

II. C<D

- (a) Neither conclusion I nor II follows
- (b) Both conclusions I and II follow
- (c) Only conclusion I follows
- (d) Only conclusion II follows
- (e) Either conclusion I or II follows
- 59. Statement:  $K \ge L > M \ge N$

Conclusions: I. N≤K

II. N<K

- (a) Both conclusions I and II follow
- (b) Neither conclusion I nor II follows
- (c) Either conclusion I or II follows
- (d) Only conclusion I follows
- (e) Only conclusion II follows
- 60. Statement:  $Z \ge Y = W \le X$

Conclusions: I. W < Z

II. W = Z

- (a) Only conclusion II follows
- (b) Only conclusion I follows
- (c) Neither conclusion I nor II follows
- (d) Either conclusion I or II follows
- (e) Both conclusions I and II follow
- 61. Statement: B>A>S<I>C>L>Y

Conclusions: I. B>L

II. A > Y

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Either conclusion I or II follows
- (d) Neither conclusion I nor II follows
- (e) Both conclusions I and II follow

DIRECTIONS (Qs. 62-66): In these questions relationship between different elements is shown in the statements. The statements are followed by two conclusions.

(RBI Assistant 2013)

Give answer (a) if only Conclusion I is true.

Give answer (b) if only Conclusion II is true.

Give answer (c) if either Conclusion I or II is true.

Give answer (d) if neither Conclusion I nor II is true.

Give answer (e) if both Conclusions I and II are true. (62-63):

Statements:  $R \ge T < M = Z$ ;  $C > T \ge B$ 

62. Conclusions:

Z > C

II. B < Z

63. Conclusions:

I.

I. B<C

II.  $R \ge C$ 

(64-65):

Statements: P > Q > T; Q < R; T > A

64. Conclusions:

I. A<Q

II.  $A \leq P$ 

65. Conclusions:

I. T < P

II. R > A

66. Statements:

P > T = U < W;

 $Q \ge R \ge W$ 

Conclusions

I. T = R

II. U < R

DIRECTIONS (Qs. 67-71): In the following questions, the symbols  $\Delta$ ,  $\Sigma$  @,  $\mathbb{O}$  and # are used with the following meaning as illustrated below:

(IBPS SO 2013)

- ' $X \Delta Y$ ' means 'X' is neither greater than nor equal to Y.
- ' $X \Sigma Y$  means 'X is not smaller than Y.
- 'X @ Y means 'X is not greater than Y'.
- 'X © Y' means 'X is neither greater than nor smaller than Y'.
- 'X # Y' means 'X is neither smaller than nor equal to Y.

Now in each of the following questions assuming the given statements to be true, find which of the two Conclusions I and II given below them is/are **definitely true?** 

Give answer (a) If only Conclusion I is true.

Give answer (b) if only Conclusion II is true.

Give answer (c) if either Conclusion I or II is true.

Give answer (d) if neither Conclusion I nor II is true.

Give answer (e) if both Conclusions I and II are true.

67. Statements:

 $R @ J, F \Sigma J, C \Sigma F$ 

**Conclusions:** 

I. R©C

II. C#R

68. Statements:

W@P, W#E, ΕΔV

**Conclusions:** 

I. P#E

II. V©W

69. Statements:

 $J \otimes R, P \Sigma R, Z \# P$ 

**Conclusions:** 

I.  $R\Delta Z$ 

II. J@P

70. Statements:

G@O, N@O, H#G

**Conclusions:** 

Ι. ΟΔΗ

II. G©N

71. Statements:

 $Q \Delta B, M \otimes B, K \Sigma M$ 

**Conclusions:** 

I. K©B

II.  $Q\Delta K$ 

DIRECTIONS (Os. 72-73): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions.

(IBPS SO 2013)

#### Mark answer If

- Only conclusion I follows.
- Only conclusion II follows.
- Either conclusion I or II follows. (c)
- (d) Neither conclusion I nor II follows.
- Both conclusion I and II follow. (e)
- Statement:  $E < F \le G = H > S$

#### **Conclusions:**

- G>S
- II.  $F \le H$
- Statement:  $P \le Q < W = L$ 73.

#### **Conclusions:**

- L>P
- Q≤L

DIRECTIONS (Qs. 74-78): In these questions the symbols @, #, \$, % and ★ are used with different meanings as follow.

(IBPS PO 2013)

- 'A @ B' means 'A is not smaller than B'.
- 'A # B' means 'A is neither smaller than nor equal to B'.
- 'A \$ B' means 'A is neither greater than nor smaller than B'.
- 'A % B' means 'A is not greater than B'.
- 'A ★ B' means 'A is neither greater than nor equal to B'.

In each questions, four statements showing relationships have been given, which are followed by three conclusions I, II and III. Assuming that the given statements are true, find out which conclusion (s) is/are definitely true?

Statements: V\$Y,Y@Z,Z%X,X#T

## **Conclusions:**

- I. T#Z
- II. X#Y
- III.  $Z \star Y$
- None follows (a)
- (b) Only I follows
- II and III follow (c)
- (d) I and III follow
- (e) Only III follows
- Statements: R@J, J%F, F  $\star$  E, E%M

## **Conclusions:**

- M # J I.
- II. F % M
- III. M★R
- (a) Only I follows
- (b) Only II follows
- (c) Only III follows
- (d) I and II follow
- (e) All follow
- 76. Statements: H#R, R@L, L ★ W, W%F

#### **Conclusions:**

- H#J
- II. F#L
- III. H\$F
- (a) Only I follows
- (b) I and II follow
- II and III follow
- (d) Either I or II follows
- (e) All follow
- Statements: M # K, M \$ F, F % Q, Q  $\bigstar$  H

## **Conclusions:**

- H#K
- II. Q#K
- III. Q@M
- I and II follow (b) Either I or II follows (a)
- All follow (c)
- (d) II and III follow
- None of the above

- Statements: D  $\star$  Q, Q \$ L, L # T, T % H
  - **Conclusions:**  $D \star L$

- Ш. H#L
- Only I follows (a)
- (b) I and II follow
- Either II or III follows (d) All follow (c)

II. L@H

(e) None of these

DIRECTIONS (Qs. 79-83): In below questions, relationship between different elements is shown in the statements. These statements are following by two conclusions.

(IBPS Clerk 2014)

Mark answer (a) if only conclusion I follows.

Mark answer (b) if only conclusion II follows

Mark answer (c) if either conclusion I or II follows.

Mark answer (d) if neither conclusion I nor II follows.

Mark answer (e) if both conclusion I and II follows.

**Statements:** 

A > B = C; B < D < E

Conclusions: I. D>A

II. E > C

80. **Statements:** 

L>U>K:Z<U<R

Conclusions: I. L>Z

II. K < R

**Statements:** 81.

Y < J = P; P > R > I

Conclusions: I. J>I

II. Y < R

**Statements:** 

83.

V > K > M = N; M > S; T < KConclusions: I. T < N

II. V = S

**Statements:**  $F \le X \le A$ ;  $R \le X \le E$ 

Conclusions:  $I. \overline{F} \le E$ 

II. R < F

DIRECTIONS (Qs. 84-88): In the following questions the symbols (a), (a), (a), (a) and (a) are used with the following meaning:

(SBI Clerk 2014)

 $P \odot O$  means P is less than O.

 $P \otimes O$  means P is greater than O.

 $P \oplus Q$  means P is greater than or equal to Q.

P = Q means P is equal to Q.

 $P \oplus Q$  means P is either smaller than or equal to Q.

Now in each of the following questions, assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true? Give answer.

- if only conclusion I is true. (a)
- (b) if only conclusion II is true.
- if either I or II is true. (c)
- (d) if neither I nor II is true, and
- if both I and II are true. (e)
- 84. Statements:  $B @ V, K @ C, C \oplus B$

Conclusions: I. V @. C

II. B @ K

(a) None is true (b) Only I is true **Statements:** K @ T, S = K,  $T \circledast R$ (c) Only II is true (d) Only III is true Conclusions: I. S @ R(e) Only IV is true II. T = RStatements: M \$ K, K@N, N★ R, R# W Statements: U = M,  $P \oplus U$ ,  $M \oplus B$ 86. **Conclusions:** Conclusions: I. P = BW@K Π. M\$R II. P @ BIII. K@W IV. M@N Only I and II are true (a) Statements:  $L \oplus N, J \oplus P, P \oplus L$ (b) Only I. II and III are true Conclusions: I. J=L(c) Only III and IV are true II. P = N(d) Only II, III and IV are true Statements:  $H \oplus G$ ,  $D \otimes E$ , H = E88. (e) None of these Conclusions: I. D @ HDIRECTIONS (Qs. 94-98): In the following question  $*, \oplus, \$, \pounds$ II.  $G \odot D$ and @ are used according to following meaning. DIRECTIONS (Qs. 89-93): In the following questions, the symbols (a), \$,  $\star$ , # and  $\delta$  are used with the following meaning 'P\*Q' means, 'P is neither equal nor smaller than Q' as illustrated below: 'P⊕Q' means, 'P is not smaller than Q' (SBI Clerk 2014) 'P\$Q' means, 'P is neither greater nor smaller than Q' P \$ Q means 'P is not smaller than Q'. 'P£Q' means, 'P is neither greater nor equal to Q' P @ Q means 'Pis neither smaller than nor equal to Q'. 'P@O' means, 'P is not greater than O' P#Q means 'P is neither greater than nor equal to Q'. Now according to the following statement if they are true, judge P δ Q means' P is neither greater than nor smaller than Q'. their Conclusions I, II and III follow definitely true.  $P \star Q'$  means 'P is not greater than Q'. **Statements** Now in each of the following questions assuming the given  $E @ F, O \oplus F, P @ E, P R$ statements to be true, find which of the four conclusions I, II, III Conclusions and IV given below them is/are definitely true and give your O\$P II. E⊕R III. P£O I answer accordingly. (a) Only I is true (b) Only II is true Statements: H @ T, T#F, FδE, E★V (c) Either I or II is true (d) Only III is true **Conclusions:** (e) None of these V\$F E@T **Statements** III. H@V IV. T#V A\*B, B@C, A\$D, D£E (a) Only I, II and III are true **Conclusions** (b) Only I, II and IV are true E\*B II. C\$A III. D@E (c) Only II. Ill and IV are true Only I is true (b) I and II are true (d) Only I, III and IV are true (c) Only III is true (d) No one is true (e) All I, II, III and IV are true (e) None of these 90. Statements: D # R, R  $\star$  K, K @ F, F \$ J **Statements Conclusions:** I⊕H, H\$T, S£T, S@R J#R II. J#K **Conclusions** III. R#F IV. K@D I. I \* T II. I\$T III. S\*H (a) Only I, II and III are true (a) All are true (b) Either I or II is true (b) Only II, III and IV are true (c) Only I is true (d) Only II is true (c) Only I, III and IV are true (e) None of these (d) All I, II, III and IV are true 97. **Statements** (e) None of these S@T, Q\$N, T£N, Q\*O 91. Statements: N  $\delta$  B, B  $\S$  W, W#H, H $\bigstar$ M **Conclusions Conclusions:** N⊕O III. N\*O I. S\$N П. M @ WL H@N None is true (b) Either I or III is true III. WδN IV. W#N (c) Only I is true (d) Only II is true Only I is true (a) (e) None of these (b) Only III is true **Statements** (c) Only IV is true  $H \oplus J$ , J \* K, L \$ K, K @ M(d) Only either III or IV is true **Conclusions** (e) Only either III or IV and I are true K£M II. III. H⊕L L\$J 92. Statements: R★D, D\$J, J#M, M@K I and III are true (b) Only II is true **Conclusions:** Only III is true (d) None is true K#J II. D@M (e) None of these III. R# M IV. D@K

(IBPS PO 2014)

DIRECTIONS (Os. 99-103): In the following questions, the symbols %,  $\diamondsuit$ , # and @ are used with the following meaning as illustrated below:

(SBI SO 2014)

'P % O' means 'P is neither smaller than nor equal to O'.

'P \(\int \cdot \). O' means 'P is not greater than O'.

'P \$ Q' means 'P is not smaller than Q'.

'P # Q' means 'P is neither greater than nor equal to Q'.

'P @ Q' means 'P is neither greater than nor smaller than Q'.

#### 99. Statements:

 $D \diamondsuit$ , R#M, M @ K, K % F

## **Conclusions:**

F\$M

K@R

III. K%R

D @ M

None is true (a)

Only I is true (b)

Only II is true (c)

(d) Only III is true

(e) Only IV is true

#### 100. Statements:

R\$B,B@A,A%K,K#M

#### **Conclusions:**

M % A

K\$B II.

III. A%R

IV. K#R

Only IV is true

(b) Only I and IV are true

Only II and III are true (d) Only I, III and IV are true (c)

(e) None is true

#### 101. Statements:

D#M, M\$R, R@J, W%J

#### **Conclusions:**

W % R

M \$ J П.

W % M

III. R%D Only II and III are true (a)

Only I and IV are true

(c) Only I and II are true

(d) Only III and IV are true

(e) All are true

## 102. Statements:

W@T,T\$N,N#F,V%F

#### **Conclusions:**

V%N

II. W\$N

Ш. Т\$F

V@N IV.

Only I and IV are true (b)

Only I and II are true

Only IV is true (c)

(d) Only II, III and IV are true

(e) Only III and IV are true

## 103. Statements:

 $B\%K, K\#D, D\diamondsuitN, N@T$ 

#### **Conclusions:**

N % K

T\$D II.

III. K#B

IV. T%K

Only I and II are true (a)

Only II and III are true

Only I, II and IV are true

Only III and IV are true

All are true

**DIRECTIONS (Os. 104-109): In these questions relationship** between different elements is shown in the statements. The statements are followed by two conclusions.

(SBI SO 2014)

Give answer (a) if only Conclusion I is true.

Give answer (b) if only Conclusion II is true.

Give answer (c) if either Conclusion I or Conclusion II is true.

Give answer (d) if neither Conclusion I nor Conclusion II is true.

Give answer (e) if both Conclusions I and II are true.

## (104-105): Statements:

O = L < T > S; L > I; T < Z

104. Conclusions:

I < O

II. Z > S

105. Conclusions:

L Z > I II. S < I

106. Statements:

G < K = O > U > P < S

**Conclusions:** 

G<U

S > O

107. Statements:

 $A \ge L < P \le B; P > M$ 

**Conclusions:** B > M

II. A > M

(108-109): Statements:

 $I \ge M = P > R; B < P \ge A$ 

108. Conclusions:

I. A < I

II. I = A

109. Conclusions:

 $A \le R$ 

B < I

DIRECTIONS (Qs.110-114): In these questions, relationship between different elements is shown in the statements.

(SBI PO 2014)

The statements are followed by two conclusions.

Give answer (a) if only Conclusion I is true.

Give answer (b) if only Conclusion II is true.

Give answer (c) if either Conclusion I or II is true.

Give answer (d) if neither Conclusion I nor II is true.

Give answer (e) if both Conclusions I and II are true.

110. Statements:

 $B > C = D \ge X : E \le X : Z \ge D$ 

Conclusions: I. B > E

II. Z≥B

111. Statements:

 $E > F \ge G < H \le I < J$ 

Conclusions :  $I.G \le E$ 

II.  $J \ge F$ 

112. Statements:

 $K \le L < M > N \ge O$ :  $T > M \le P$ 

Conclusions: I. T > K

II.P>O

113. Statements:

 $B>O=K\geq L; D>K\geq S$ 

Conclusions : I. O < D

II.  $S \le I$ .

114. Statements:

 $B>O=K\geq L; D>K\geq S$ 

Conclusions: I. L > D

II. B > S

DIRECTIONS (Os. 115-119): In the following questions, the symbols  $\delta$ ,  $\star$ , %, # and @ are used with the following meaning as illustrated below.

(SBI SO 2014)

- 'P % Q' means 'P is neither greater than nor equal to Q'.
- 'P  $\delta$  Q' means 'P is neither smaller than nor equal to Q'.
- 'P @ Q' means 'P is not greater than Q'.
- 'P \* Q' means 'P is not smaller than Q'.
- 'P#O' means 'P is neither greater than nor smaller than O'.

Now, in each of the following questions assuming the given statements to be true, find which of the four conclusions I, II, III and IV given below them is/are definitely true and give your answer.

- 115. Statement:  $R \star T$ ,  $T \delta M$ , M % K, K @ V
  - **Conclusions:**
  - $V\delta M$
- VδT
- III. M%R
- Ιν. ΚδR (b) I and III are true
- (a) I and II are true (c) II and IV are true
- (d) I, III and IV are true
- (e) None of these
- 116. Statement: HδJ, J#N, N@R, RδW

## **Conclusions:**

- W % N
- W % H
- III. R#J
- RδJ IV
- Only I is true (a)
- Only II is true (b)
- Only III is true (c)
- Only IV is true (d)
- (e) Either III or IV is true
- 117. Statement: B@D, D $\delta$ F, F%M, M  $\star$  N.

#### **Conclusions:**

- B%F
- $M\delta D$ DδN IV
- III. N%F
- (b) Only I is true
- (a) None is true (c) Only II is true
- (d) Only III is true
- (e) Only IV is true
- 118. Statement:  $F \# Z, Z @ H, H \% N, N \delta B$

#### **Conclusions:**

- F @ H
- II. N%Z
- Ш. В % Н
- B%ZIV
- I and III are true (a)
- (b) II, III and IV are true
- (c) I and II are true
- (d) I, II and III are true
- (e) None of the above
- 119. Statement: M % K, K  $\star$  W, W  $\delta$  V, V @ N

#### **Conclusions:**

- N \* K
- M % W II.
- ΙΙΙ. Κδ
- IV. V%M
- (a) None is true
- Only I is true (b)
- (c) Only II is true
- (d) Only III is true
- (e) Only IV is true
- **DIRECTIONS (Qs. 120-124): In the following questions, the** symbols  $\beta$ ,  $\gamma$ ,  $\Psi$ ,  $\alpha$  and  $\delta$  are used with the following meanings..

(IBPS SO 2014)

- $P \beta Q$  means P is not smaller than Q.
- PγQ means P is neither greater than nor smaller than Q.
- $P \psi Q$  means P is not greater than Q.
- P α Q means P is neither smaller than nor equal to Q.
- $P \delta O$  means P is neither greater than nor equal to Q.

Now in each of the following questions, assuming the given statements to be ture, find which of the two conclusions I and II given below them is/are definitely true. Give answer,

- if only conclusion I is true; (a)
- (b) if only conclusion II is true:
- (c) if either I or II is true:
- (d) if neither I nor II is true; and
- (e) if both I and II are true.
- 120. Statements:  $M \beta N, H \psi Q, B \beta M$ 
  - **Conclusions:**  $I.H\gamma M$ 
    - II. QγN
- $C \alpha B, L \delta S, S \psi C$ 121. Statements:
  - **Conclusions:**  $I.B\alpha S$ 
    - II.  $C \alpha L$
- 122. Statements: ΙβΗ, ΕαΓ, ΙγΓ
  - **Conclusions:**  $I.E\alpha I$ 
    - ΙΙ. ΗδΕ
- 123. Statements: **V**γ**O**, **R**γ**V**, **O**β**B** 
  - **Conclusions:** I. RyB
    - II.  $R \alpha B$
- 124. Statements: LαU, ΤγV, OβB.
  - Conclusions: Ι. Τα W
    - II. U y W

DIRECTIONS (Os. 125-129): In the following questions, the symbols @, C, \$, % and \* are used with the following meanings as illustrated below:

(IBPS SO 2015)

- 'P © Q' means 'P is not smaller than Q'.
- 'P \* O' means 'P is not greater than O'.
- 'P @ Q' means 'P is neither greater than nor equal to Q'.
- 'P \$ Q' means 'P is neither smaller than nor equal to Q'.
- 'P % Q' means 'P is neither greater than nor smaller than Q'.
- 125. Statements: J\$K, K\*T, T@N, N©R

#### **Conclusions:**

- J\$T
- II. R\*T
- Ш. N\$K
- IV. R\*K
- None is true (a)
- (b) Only I is true
- Only II is true (c)
- (d) Only III is true
- Only IV is true (e)
- Statements: F % W, W © R, R @ M, M \$ D 126.

#### **Conclusions:** I.

- D@R Ш. R @ D
- II. M\$F IV. R\*F
- None is true (a)
- Only III is true (h)
- Only I is true (c)
- (d) Only IV is true
- (e) Only II is true
- Statements: H@B, B\*E, V©E, W\$V

#### **Conclusions:**

- W\$E
- II. H@E IV. W\$B
- Ш. H@VOnly I and II are true
- Only I, II and III are true (b)
- Only II, III and IV are true (c)
- All are true (d)
- (e) None of these
- 128. Statements: R © K, K \* N, N \$ J, J % H

## **Conclusions:**

R\$N I.

(c)

- J@K
- Ш. H@N
- IV. R\$H Only III is true (b)
- Only I is true (a) Only II is true
- None of true
- Only IV is true

| 129. Statements: K * D, D \$ N, N % M, M © W                         | Conclusions:  |
|--|---|
| Conclusions:   | I. W @ K II. M \$ R   |
| I. M@K II. N@K   | III. K @ W IV. M @ N  |
| III. $M \overset{\sim}{\otimes} D$ IV. $W \overset{\checkmark}{*} N$ | (a) Only I and II are true  |
| (a) Only I and II are true   | (b) Only III and IV are true  |
| (b) Only III and IV are true   | (c) Only III or IV are true   |
| (c) Only I, II and III are true                                      | (d) Only II, III and IV are true  |
| (d) All are true   | (e) None of these   |
| (e) None is true   | 135. Which one of the following symbols should be placed in             |
|  | the blank spaces (from left to right) in order to complete the          |
| DIRECTIONS (Qs. 130-134): Read the following information             | given expression in such a manner that both $N > L$ and                 |
| and answer the question carefully.                                   | $G \ge K$ definitely true? (IBPS Clerk 2015)                            |
| (IBPS Clerk 2015)  | $N_{G_P_L_K}$   |
| 'P \$ Q' means 'P is not smaller than Q'                             | (a) $\leq = > <$ (b) $\geq \leq = <$                                    |
| 'P@Q' means 'P is neither smaller than nor equal to Q'               | (c) $>, =, \ge, \ge$ (d) $<, =, \le, \ge$                               |
| 'P#Q' means 'P is neither greater than nor equal to Q'               | (e) None of these   |
| 'P & Q' means 'P is neither greater than nor smaller than Q'         | 136. Which one of the following will be definitely true if the          |
| 'P * Q' means 'P is not greater than Q'                              | expression 'Q $<$ S $>$ V $=$ W $\ge$ O $\ge$ R' is definitely true?    |
| 130. Statements:   | (IBPS Clerk 2015)   |
| H@T, T#F, F&E, E*V   | (a) $S \ge O$ (b) $O \ge Q$   |
| Conclusions:   | (c) $W < Q$ (d) $R \le V$   |
| I. V\$F II. E@T  | (e) None of these   |
| II. H@V IV. T#V  | 137. Which one of the following will be definitely true if the          |
| $\circ$  | expression 'F = $A < L \le C > O \ge N$ ; Y > L; Q > C' is definitely   |
| (a) Only I, II and III are true                                      | true? (IBPS Clerk 2015)   |
| (b) Only I, II and IV are true                                       | (a) $Q \ge N$ (b) $F = Y$   |
| (c) Only II, III and IV are true                                     | (c) $Q > F$ (d) $Y \le N$   |
| (d) Only I, III and IV are true                                      | (e) None of these   |
| (e) All I II, III and IV are true                                    | 138. Which one of the following symbols should be placed in             |
| 131. Statements:   | the blank spaces(from left to right) in order to complete the           |
| D#R,R*K,K@F,F\$J   | given expression in such a manner that both $S \le T$ and               |
| Conclusions:   | P > R definitely true? (IBPS Clerk 2015)                                |
| I. J#R II. J#K   | $S_N_P_T_R$   |
| III. R#F IV. K@D   | (a) $\le$ , $\le$ , $=$ , $<$   |
| (a) Only I, II and III are true                                      | (c) <, \leq, =, > (d) \geq, <, >, <                                     |
| (b) Only II, III and IV are true                                     | (e) None of these   |
| (c) Only I, III and IV are true                                      | 139. Which one of the following will be definitely true if the          |
| (d) All I, II, III and IV are true                                   | expression 'D = $C \ge A > B \ge F < G = E \le H$ ' is definitely true? |
| (e) None of these  | (IBPS Clerk 2015)   |
| 132. Statements:   | (a) $F \le H$ (b) $D > F$   |
| N & B, B \$ W, W # H, H * M  | (c) $A=G$ (d) $D \ge B$   |
| Conclusions:   | (e) None of these   |
| I. H@N   | DIRECTIONS (Qs. 140-144): Relationship between different                |
| III. W&N IV. W#N   | elements is shown in the statements. Find if the conclusions also       |
| (a) Only I is true   | follow or not.  |
| (b) Only III is true   |   |
| (c) Only IV is true  | (SBI Clerk 2015)  |
| (d) Only either III or IV are true                                   | 140. Statements: $P = Q \ge R = S \ge T$ ; $V \le W = T$ ; $R > X$      |
| (e) Only either III or IV and I are true                             | Conclusions:  |
| 133. Statements:   | I. P > X  |
| R * D, D \$ J, J # M, M @ K  | II. Q≥W   |
| Conclusions:   | (a) only I follows (b) only II follows                                  |
|  | (c) either I or II follows (d) neither I nor II follows                 |
| $\cup$   | (e) both I and II follow  |
| $\sim$   | 141. Statements: $P = Q \ge R = S > T$ ; $V \le X \le T$                |
| (a) None is true (b) Only I is true                                  | Conclusions:  |
| (c) Only II is true (d) Only III is true                             | I. P>X  |
| (e) Only IV is true  | II. X≥P   |
| 134. Statements:   | (a) only I follows (b) only II follows                                  |
| M \$ K, K @ N, N * R, R # W  | (c) either I or II follows (d) neither I nor II follow                  |
|  | (e) both I and II follow  |
|  |   |

| 142.   | Statements: $P = T \ge A < D > W$ ; $W \le X > L$ ; $P < K = N$  |
|--|--|
|  | Conclusions: I. D>L  |
|  | I. D>L<br>II. A≤N  |
|  | (a) only I follows (b) only II follows   |
|  | (c) either I or II follows (d) neither I nor II follow   |
|  | (e) both I and II follow   |
| 143.   | Statements: $A > L \ge J = I$ ; $K < L \le H$ ; $G = H \le B$  |
|  | Conclusions:   |
|  | $I.J \leq B$   |
|  | II. J > B  |
|  | (a) only I follows   |
|  | (b) only II follows  |
|  | (c) either I or II follows   |
|  | <ul><li>(d) neither I nor II follows</li><li>(e) both I and II follow</li></ul>  |
| 144.   |  |
| 177.   | Conclusions:   |
|  | I. T < J   |
|  | II. G≤H  |
|  | (a) only I follows (b) only II follows   |
|  | (c) either I or II follows (d) neither I nor II follow   |
|  | (e) both I and II follow   |
| DIR  | ECTIONS (Qs. 145-149): In the following questions, the   |
|  | bols are used as follows   |
|  |  |
|  | (IBPS SO 2015)   |
| A© ]   | (IBPS SO 2015) B means 'A is greater than B'.  |
|  | B means 'A is greater than B'.   |
| A©]  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'.   |
| A © ]<br>A = ]   | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'.  |
| A @ A = B  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.'   |
| A @   A @   A @   A @  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'.   |
| A @   A @   A @   Now  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In the means 'A is either smaller than or equal to B'. In the means 'A is either smaller than or equal to B'.   |
| A @ ] A @ ] A @ ] Now state  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In in each of the following questions, assuming the three ments to be true, state which of the two conclusions I  |
| A @ 1 A @ 2 A @ 2 Now state and 1  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I II given below them is definitely true.   |
| A©I<br>A @I<br>A @I<br>Now<br>state<br>and I<br>Give   | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I I given below them is definitely true.  En Anwser (a) if only conclusion I is true;   |
| A©I<br>A = I<br>A @<br>A @ I<br>Now<br>state<br>and I<br>Give  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I agiven below them is definitely true.  En Anwser (a) if only conclusion I is true; En Answer (b) if only conclusion II is true;   |
| A@I<br>A@I<br>A@I<br>Now<br>state<br>and I<br>Give<br>Give   | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I agiven below them is definitely true. If given below them is definitely true. If Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true;   |
| A @ A @ I A @ I A @ I A @ I A @ I A @ I A I A  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In in each of the following questions, assuming the three ments to be true, state which of the two conclusions I all given below them is definitely true. If given below them is definitely true. If Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true   |
| A @ A @ A @ A @ A @ A @ A @ A @ A @ A @  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I I given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (d) if neither I or II is true In Answer (d) if neither I nor II is true.   |
| A @ A @ A @ A @ A @ A @ A @ A @ A @ A @  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I all given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true. In Answer (e) if both I and II are true.  Statements: Q@R, R@M, M@D  |
| A©I<br>A = I<br>A @ A@I<br>Now<br>state<br>and I<br>Give<br>Give<br>Give<br>Give<br>145.   | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I I given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (d) if neither I or II is true; In Answer (d) if neither I nor II is true. In Answer (e) if both I and II are true. In Answer (e) If both I and II are true. In Answer (a) II D© R II D© Q  |
| A©I<br>A = I<br>A @ A@I<br>Now<br>state<br>and I<br>Give<br>Give<br>Give<br>Give<br>145.   | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I II given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true. Statements: Q@R, R@M, M@D  Conclusions: I. D@R II. D@Q  Statements: M@K, K@R, R@P   |
| A©IA (a) A@IA (b) A@IA (c) A@I | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In in each of the following questions, assuming the three ments to be true, state which of the two conclusions I II given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (e) if both I and II are true.  Statements: Q@R, R@M, M@D  Conclusions: I.D@R II.D@Q  Statements: M@K, K@R, R@P  Conclusions: I.P@K II.P@M  |
| A©I<br>A = I<br>A @ A@I<br>Now<br>state<br>and I<br>Give<br>Give<br>Give<br>Give<br>145.   | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I all given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true. Statements: Q@R, R@M, M@D  Conclusions: I. D@R II. D@Q  Statements: M@K, K@R, R@P  Conclusions: I. P@K II. P@M  Statements: T@M, M=P, P@R  |
| A @ 1 A & 1  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I are given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true. Statements: Q@R, R@M, M@D  Conclusions: I. D@R II. D@Q  Statements: M@K, K@R, R@P  Conclusions: I. P@K II. P@M  Statements: T@M, M = P, P@R  Conclusions: I. R@T II. T@R   |
| A©IA (a) A@IA (b) A@IA (c) A@I | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I are given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true.  Statements: Q@R, R@M, M@D  Conclusions: I.D@R II.D@Q  Statements: M@K, K@R, R@P  Conclusions: I.P@K II.P@M  Statements: T@M, M = P, P@R  Conclusions: I.R@T II.T@R  Statements: P@Q, Q@K, K@M   |
| A @ 1 A @ 1 A @ 2 Now state and 1 Give Give Give 145. 146. 147.  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In in each of the following questions, assuming the three ments to be true, state which of the two conclusions I given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true.  Statements: Q@R, R@M, M@D  Conclusions: I.D@R II.D@Q  Statements: M@K, K@R, R@P  Conclusions: I.P@K II.P@M  Statements: T@M, M=P, P@R  Conclusions: I.R@T II.T@R  Statements: P@Q, Q@K, K@M  Conclusions: I.M=Q II.M@Q   |
| A @ 1 A & 1  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I agiven below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true.  Statements: Q@R, R@M, M@D  Conclusions: I. D@R II. D@Q  Statements: M@K, K@R, R@P  Conclusions: I. P@K II. P@M  Statements: T@M, M=P, P@R  Conclusions: I. R@T II. T@R  Statements: P@Q, Q@K, K@M  Conclusions: I. M=Q II. M@Q  Statements: P@F, M@F, F@N  |
| A @ 1 A @ 1 A @ 2 Now state and 1 Give Give Give 145. 146. 147.  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I agiven below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true. Statements: Q@R, R@M, M@D  Conclusions: I. D@R II. D@Q  Statements: M@K, K@R, R@P  Conclusions: I. P@K II. P@M  Statements: T@M, M = P, P@R  Conclusions: I. R@T II. T@R  Statements: P@Q, Q@K, K@M  Conclusions: I. M = Q II. M@Q  Statements: P@F, M@F, F@N  Conclusions: I. M@P II. N@P          |
| A © 1 A @ 1 A B . A @ 1 A B . A B . A B . A @ 1 A B .  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I agiven below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true.  Statements: Q@R, R@M, M@D  Conclusions: I. D@R II. D@Q  Statements: M@K, K@R, R@P  Conclusions: I. P@K II. P@M  Statements: T@M, M=P, P@R  Conclusions: I. R@T II. T@R  Statements: P@Q, Q@K, K@M  Conclusions: I. M=Q II. M@Q  Statements: P@F, M@F, F@N  |
| A © 1 A @ 1 A B . A @ 1 A B . A B . A B . A @ 1 A B .  | B means 'A is greater than B'. B means 'A is either greater than or equal to B'. B means 'A is equal to B'. B means 'A is smaller than B.' B means 'A is smaller than B.' B means 'A is either smaller than or equal to B'. In each of the following questions, assuming the three ments to be true, state which of the two conclusions I are given below them is definitely true. In Anwser (a) if only conclusion I is true; In Answer (b) if only conclusion II is true; In Answer (c) if either I or II is true; In Answer (d) if neither I nor II is true.  Statements: Q@R, R@M, M@D  Conclusions: I. D@R II. D@Q  Statements: M@K, K@R, R@P  Conclusions: I. P@K II. P@M  Statements: T@M, M = P, P@R  Conclusions: I. R@T II. T@R  Statements: P@Q, Q@K, K@M  Conclusions: I. M @ P II. N@P  In which of the following expressions will the expression P |

(c) Q < M < F = P

(e) None of these

(d) P = A < R < M

**DIRECTIONS (Qs. 151-156): In these questions, relationship** between different elements is shown in the statements. These statements are followed by two conclusion.

(IBPS PO 2015)

```
Mark answer (a) if only conclusion I follows
Mark answer (b) if only conclusion II follows.
Mark answer (c) if either conclusion I or II follows
Mark answer (d) if neither conclusion I nor II follows.
Mark answer (e) if both conclusions I and II follows
151. Statement:
     A \ge B \le C, C < D, D > F
     Conclusions:
        F > B
                                II. A > D
152. Statement:
     X>Y\geq Z, Q=Y, P>X
     Conclusions:
        Z < P
                                II. P > Q
153. Statement:
     L \ge I, H > I \ge J, K < J
     Conslusions:
                                II. L>K
        H>L
154. Statement:
     Q \ge P = Q, R < P, S < Q
     Conclusions:
          R < S
                                II. O > S
155. Statement:
     D \ge E > F = G E = H < J
```

DIRECTIONS (Qs. 157-161): In these questions relationship between different elements is shown in the statements. The statements are followed by two conclusions.

II. G < J

II. B > W

#### (IBPS PO Prelim 2015)

Give answer (a) if only conclusion I is true. Give answer (b) if only conclusion II is true. Give answer (c) if either conclusion I or II is true. Give answer (d) if neither conclusion I nor II is true. Give answer (e) if both conclusion I and II are true. 157. Statements:  $E \ge F = G$ ; I = T;  $T \le G$ **Conclusions:** I. I < EII. I=E158. Statements: G > H < T; I > F; H > J**Conclusions:** II. F < HI. J < G

159. Statements: V > W < X; X < Y; Z > X

**Conclusions:** 

**Conclusions:** I. J>D

**Conclusions:** 

J > F

 $J \ge R > Z, R > F < W, B > J$ 

156. Statement:

II. Y>WI. Z>V160. Statements:

M > N > P; O > P; S < P**Conclusions:** II. O < MS < M

#### 161. Statements:

A > E > F; G > F; M > A

**Conclusions:** 

I. M > E

II. G < A

## **DIRECTIONS (Qs. 162-166): Read the following information and answer the questions based on it.**

#### (SBI PO Prelim 2015)

- P @ O means P is either greater than or equal to O
- P+Q means P is either smaller than or equal to Q
- P% Q means P is greater than Q
- $P \times Q$  means P is smaller than Q
- P \$ Q means P is neither greater than nor smaller than Q.

Now in each of the following questions assuming the given statement to be true, find which of the two conditions I and II given below them is/are definitely true?

#### Give answer.

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either I or II is true
- (d) If neither I or II is true
- (e) If both I and II are true
- 162. **Statements:** M @ R, R % T, T \$ K
  - **Conclusion :** (I)  $K \times M$ , (II)  $T \times M$
- 163. **Statements:** M % J, B + J, B @ F
  - **Conclusion**: (I) F \$ J, (II) J % F
- 164. Statements: D \$ M, M % W, W @ R
  - Conclusion: (I)  $R \times D$ , (II) W + D
- 165. Statements: A+N, N×V, V\$J
  - Conclusion: (I) J @ N, (II) A+V
- 166. **Statements:** K×T, T @ B, B + M
  - Conclusion: (I) M % T, (II) K + B

DIRECTIONS (Qs. 167-171): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions.

#### (SBI PO Main 2015)

#### Give answer

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I nor II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusion I and II follow
- 167. Statements:  $W \ge D < M < P < A = F$ Conclusions
  - I. F > D
- II. P < W
- 168. Statements:  $H \ge M > F < A = B > S$

#### **Conclusions**

- I. H > B
- II. F < S
- 169. Statements: B>T>Q>R=F

#### Conclusions

- I.  $Q \ge F$
- II. T > F
- 170. Statements:  $S = R \ge Q$ , P < Q

#### **Conclusions**

- I.  $S \ge P$
- II. R>P

171. Statements:  $S \ge M < Y = Z > F > T$ 

#### Conclusions

I. S>F

II. Y > T

DIRECTIONS (Qs. 172-176): In these questions, the following symbols are used with different meaning as follows:

#### (SBI Clerk Prelim 2016)

- 'A#B' means 'A is neither greater than nor equal to B'.
- 'A©B' means 'A is neither equal to nor smaller than B'.
- 'A%B' means 'A is neither smaller than nor greater than B'.
- 'A\$B' means 'A is not smaller than B'.
- 'A@B' means 'A is not greater than B'

Now, in each of the following questions, assuming the given statements to be true, find which of the two conclusions I and II given below them is/are true.

#### Give answer.

- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either conclusion I or II is true.
- (d) if neither conclusion I nor II is true.
- (e) if both conclusions I and II are true.
- 172. Statements: Z#F, R@F, D©R
  Conclusions: I. Z#R II. D©Z
- 173. Statements: R@D, D@W, B@W
- Conclusions: I. W # R II. D © B 174. Statements: M © R, R % D, D@ N
- Conclusions: I. M  $\bigcirc$  N II. N \$ R 175. Statements: H \$ V, V % M, K  $\bigcirc$  M
  - Conclusions: I. K © V II. M @ H
- 176. **Statements**: K #T, T \$ B, B @ F

Conclusions: I. F \$ T II. K # B

## **DIRECTIONS** (Qs. 177-181): Read the following information and answer the questions that follows.

## (SBI Clerk Main 2016)

- 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\*O-P is neither smaller than nor greater than O
- 177. **Statements:** A@B, B%C, C\*D, D\$E
  - Conclusions: (1) B%E (2
    - (a) Only conclusion 1 follows
    - (b) Only conclusion 2 follows
    - (c) Either conclusion 1 or 2 follow
    - (d) Neither conclusion 1 nor 2 follows
    - (e) Both conclusion 1 and 2 follow
- 178. **Statements:** A%B, B\*C, C#D, D\*E
  - Conclusions: (1) A%C (2) E\$I
  - (a) Only conclusion 1 follows
  - (b) Only conclusion 2 follows
  - (c) Either conclusion 1 or 2 follows
  - (d) Neither conclusion 1 nor 2 follows.
  - (e) Both conclusion 1 and 2 follow
- 179. **Statements:** A\*B, B\$C, C#D, D@E
  - Conclusions: (1) E\*A (2) C%A
  - (a) Only conclusion 1 follows
  - (b) Only conclusion 2 follows
  - (c) Either conclusion 1 or 2 follows
  - (d) Neither conclusion 1 nor 2 follows.
  - (e) Both conclusion 1 and 2 follow

- 180. **Statements:** A\$B, B\$C, C\*D, D@E
  - Conclusions: (1) A\$E E%C (2)
  - Only conclusion 1 follows
  - Only conclusion 2 follows
  - (c) Either conclusion 1 or 2 follows
  - (d) Neither conclusion 1 nor 2 follows
  - (e) Both conclusion 1 and 2 follow
- Statements: A%E, E@C, C%B, B\*D

Conclusions: (1) C%D

- Only conclusion 1 follows
- (b) Only conclusion 2 follows
- (c) Either conclusion 1 or 2 follows
- (d) Neither conclusion 1 nor 2 follows
- (e) Both conclusion 1 and 2 follow

DIRECTIONS (Os. 182-186): 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.

(SBI SO 2016)

- (a) Only conclusion I is true.
- (b) Only conclusion II is true.
- Both conclusions I and II are true. (c)
- Neither conclusion I nor II is true. (d)
- Either conclusion I or II is true

|      | (c) Littlei colle | iusioni i oi ii is u uc | •                |
|------|-------------------|-------------------------|------------------|
| 182. | Statements        | $N < A = T \ge Z$ ; R   | $R \ge T; Z < S$ |
|      | Conclusions       | I.R>N                   | II.S>Z           |
| 183. | Statements        | $L \leq E = A > P; Y$   | >E>R             |
|      | Conclusions       | $I.Y \ge L$             | II.A>R           |
| 184. | Statements        | $D < S \ge L > U; Q$    | ) < S            |
|      | Conclusions       | I.Q < D                 | II. $U > Q$      |
| 185. | Statements        | $L \leq E = A > P; Y$   | $\geq E > R$     |
|      | Conclusions       | $I.P \ge R$             | II. $A \leq Y$   |
| 186. | Statements        | $N < A = T \ge Z$ ; R   | $R \ge T; Z < S$ |
|      | Conclusions       | I.R = Z                 | II. $Z < R$      |

**DIRECTIONS (Qs. 187-191): 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 statement(s) and select the appropriate answer.

#### (IBPS Clerk Prelim 2016)

187. Statements: P < L < A > M = K > E

#### **Conclusions:**

- K < LI.
- II. P < E
- Only conclusion II is true.
- Either conclusion I or II is true.
- (c) Both conclusions I and II are true.
- (d) Neither conclusion I nor II is true.
- (e) Only conclusion I is true.
- 188. Statements: P > R = A < Y; D < A

#### **Conclusions:**

- P > DI.
- П. D < Y
- (a) Both conclusions I and II are true.
- (b) Only conclusion I is true.
- (c) Neither conclusion I nor II is true.
- (d) Either conclusion I or II is true.
- (e) Only conclusion II is true

189. Statements: P > R = A < Y; D < A

#### **Conclusions:**

- P < YI
- II. R < D
- (a) Both conclusions I and II are true.
- (b) Neither conclusion I nor II is true.
- (c) Only conclusion I is true.
- (d) Only conclusion II is true.
- (e) Either conclusion I or II is true.
- 190. Statements: C > R > A = S < H; R < P < O

#### **Conclusions:**

- C > SI.
- II. P < C
- (a) Either conclusion I or II is true.
- Both conclusions I and II are true.
- Only conclusion II is true.
- (d) Neither conclusion I nor II is true.
- (e) Only conclusion I is true.
- 191. Statements: C > R > A = S < H: R < P < O**Conclusions:**

#### I. H > R

- Π. R < Q
- (a) Both conclusions I and II are true.
- Only conclusion II is true. (b)
- Only conclusion I is true. (c)
- (d) Either conclusion I or II is true.
- (e) Neither conclusion I nor II is true.
- 192. In which of these expressions S > V' be definitely false? (SBI PO Main 2016)
  - (a)  $S>P\geq Q=G\geq R>V$
  - (b)  $P < A \le S \le T; V \ge O > T$ (c)  $V \le A \le L = R < S$
  - (d)  $S > C > = F \le H; V < F$
  - (e)  $S > T = O \ge P; V < J = P$
- Which of the following symbols should be placed in the blank spaces respectively(in the same order from left to right) in order to complete the given expression in such a manner that both 'D>S' as well as 'E≤B' definitely holds true?
  - $B_A_S_E_D$
- (SBI PO Main 2016)
- (a) >, ≥, <, =
- (b) >,>,≥,<
- (c)  $\geq$ ,  $\geq$ ,  $\geq$ ,  $\leq$
- (d) ≥, =, ≥,<
- (e) Other than those given as options
- In Which of the following expressions does the expression 'L<T' to definitely hold true? (SBI PO Main 2016)
  - (a)  $K > L > R = P < S \le T$  (b)  $U \ge T \ge M = F \le A \ge L$ (c)  $L \ge C > Q \ge B = N \le T$  (d)  $G \ge L = A < B \le S \le T$
- - (e)  $T \ge E = G \ge W = Y \ge L$
- Which of the following expressions is true if the expression P<T<=Q>S>M>=W is definitely true?

(SBI PO Main 2016)

- (a)  $W \le P$
- (b) S < P
- (c) M > P
- (d) W < Q
- (e)  $T \le M$
- Which of the following expression is true?

Statements:  $Y \le K < D = S$ ; D < V < O;  $G \ge D < Q$ 

Conclusions: I. G > V, II. Y < Q(SBI PO Main 2016)

- Only I is true
- (b) Only II is true
- Either I or II is true (c)
- (d) Neither I nor II is true
- (e) Both I and II are true

| 197.  | What should come in place of question mark in the   | 205. Sta   | tements: A\$B, B\$C, C*D,   | D@E   | 3   |
|---|---|--|---|---|---|
|   | expression P>Q ? $R < T < S$ so as to make the expressions  |  | nclusions: I. A\$E  |   | E%C   |
|   | P>R and S>Q always true? (IBPS PO Prelim 2016)  |  | Only conclusion I follow  |   |   |
|   | (a) = (b) >   |  | Only conclusion II follo  |   |   |
|   | (c) < (d) ≥   |  | Either conclusion I or II<br>Neither conclusion I nor   |   |   |
| 100   | (e) None of these   | ` '  | Both conclusion I and II  |   |   |
| 198.  | What should come in place of question mark in the   |  | tements: A%E, E@C, C%   |   |   |
|   | expression $A = B > C$ ? $D < E = F$ so as to make the expression $F > C$ always true? (IBPS PO Prelim 2016)  |  | nclusions: I. C%D   |   | B@A   |
|   | F>C always true? (IBPS PO Prelim 2016) (a) > (b) =  |  | Only conclusion I follow  |   |   |
|   | $\begin{array}{ccc} (a) & > & & (b) & - \\ (c) & \geq & & (d) & \leq & \end{array}$   |  | Only conclusion II follo  |   |   |
|   | (e) Both (b) and (d)  | (c)  | Either conclusion I or II   |   |   |
| 199   | Statements: $P = S$ , $P < Q$ , $R \le Q$ , $R \ge T$   | (d)  | Neither conclusion I nor  |   |   |
| 1)).  | Conclusions: $(1)Q > S(2)Q = T$ (IBPS PO Prelim 2016)   | (e)  | Both conclusion I and II  | follo   | W   |
|   | (a) Only 1 follow (b) Only 2 follow   | DIREC  | TIONS (Qs. 207-211) : Ir  | ı the f   | following Questions, \$. ×.   |
|   | (c) Neither follows (d) Both follow   |  | nd © are used with the fo   |   |   |
|   | (e) Either follow   | below  |   |   | 0   |
| 200.  | Statements: $A > N, K \ge N, K > M, R > M$  |  |   |   | (IBPS PO Main 2016)   |
|   | Conclusions: (1) $M = N$ (2) $R \ge A$ (IBPS PO Prelim 2016)  | Δ×Rm   | neans A is not greater than   | B   | (1D1 5 1 O Main 2010)   |
|   | (a) Only 1 follow (b) Only 2 follow   |  | neans A is neither greater  |   | nor equal to R  |
|   | (c) Neither follows (d) Both follow   | _  | neans A is not smaller that   |   | nor equal to D  |
|   | (e) Either follows  |  |   |   | mar areator than D  |
| 201.  | What should come in place of question mark to make B> D   |  | means A is neither smaller  |   | _   |
|   | always true? (IBPS PO Prelim 2016)  |  | eans A is neither smaller   |   | •   |
|   | A = B > C?D < E   |  | atement: X × W, W @ Z   | , Z %   | ĭ   |
|   | (a) > (b) <   |  | onclusion:  |   |   |
|   | $(c) \geq (d) \leq$   |  | Y\$W II.Z\$W III.X©Y  |   | O II. (   |
|   | (e) both (a) and (c)  | (a   | •   |   | Ony II is true  |
| DIR   | ECTIONS (Qs. 202-206): Read the following information   | (c)  | _   | (a)   | Both I and III are true   |
| care  | fully and answer the questions that follows :   | (e)  | ) None is true  |   |   |
|   |   | 200 04   |   | $\bigcirc$ $\blacktriangle$                               |   |
|   | (SBI PO Prelim 2016)  |  | atement: D\$E, E © C, C   | @A  |   |
| P@0   | (SBI PO Prelim 2016)  O - P is neither greater than nor equal to O  | C  | onclusion :   |   | A (D.E.)  |
|   | Q - P is neither greater than nor equal to Q  | <b>C</b> I.  | onclusion :<br>C×D  |   | A\$E  |
| P%Ç   | Q - P is neither greater than nor equal to Q<br>Q - P is neither smaller than nor equal to Q  | Co<br>I.<br>III  | onclusion :<br>C×D<br>A\$D  | Π.  |   |
| P%C<br>P#Q                                  | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q   | C<br>I.<br>III<br>(a)  | onclusion:  C × D  A \$ D  Only I is true   | II. (b)   | Ony II is true  |
| P%C<br>P#Q<br>P\$Q                          | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q   | Co<br>I.<br>III<br>(a)<br>(c)  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true   | II. (b)   |   |
| P%()<br>P#Q<br>P\$Q<br>P*Q                  | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q   | Constitution of the consti | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true   | II. (b) (d)   | Ony II is true<br>Both I and III are true   |
| P%C<br>P#Q<br>P\$Q<br>P*Q<br>202.5          | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q  | Co<br>I.<br>III<br>(a)<br>(c)<br>(e)<br>209. St  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,   | II. (b) (d)   | Ony II is true<br>Both I and III are true   |
| P%C<br>P#Q<br>P\$Q<br>P*Q<br>202.5          | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than Q - P is neither smaller than nor greater than Q Statements: A@B, B%C, C*D, D\$E  | Co<br>I.<br>IIII<br>(a<br>(c)<br>(e<br>209. St   | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  | II. (b) (d) P©N   | Ony II is true<br>Both I and III are true   |
| P%Q<br>P#Q<br>P\$Q<br>P*Q<br>202.5          | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than Q - P is neither smaller than nor greater than Q Statements: A@B, B%C, C*D, D\$E Conclusions: I. B%E  II. A%E   | Co<br>I.<br>IIII<br>(a<br>(c)<br>(e<br>209. St<br>Co<br>I.   | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M   | II. (b) (d) P©N   | Ony II is true<br>Both I and III are true   |
| P%C<br>P#Q<br>P\$Q<br>P*Q<br>202.5          | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - Statements: A@B, B%C, C*D, D\$E  Conclusions: I. B%E  II. A%E  (a) Only conclusion I follows (b) Only conclusion II follows (c) Either conclusion I or II follows   | Constant Con | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M  N % O  | II. (b) (d) P©N II.                                       | Ony II is true Both I and III are true  N @ O   |
| P%C<br>P#Q<br>P\$Q<br>P*Q<br>202.5          | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is not greater than Q - P is neither smaller than or greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than Q - P is not greater than Q - P is     | Constant Con | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M  N % O  Only I is true  | II.  (b) (d) P©N II. (b)                                  | Ony II is true Both I and III are true  N  N @ O  Ony II is true  |
| P%C<br>P#Q<br>P\$Q<br>P*Q-<br>202.5         | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - Statements: A@B, B%C, C*D, D\$E - Conclusions: I. B%E - II. A%E - II.   | Constant Con | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M  N % O  Only I is true  Both II and III are true  | II.  (b) (d) P©N II. (b)                                  | Ony II is true Both I and III are true  N  N @ O  Ony II is true  |
| P%C<br>P#Q<br>P\$Q<br>P*Q-<br>202.3         | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than Q - P is neither smaller than nor greater than Q Statements: A@B, B%C, C*D, D\$E Conclusions: I. B%E  (a) Only conclusion I follows (b) Only conclusion II follows (c) Either conclusion I or II follows (d) Neither conclusion I nor II follows (e) Both conclusion I and II follow Statements: A%B, B*C, C#D, D*E   | Constant Con | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M  N % O  Only I is true  Both II and III are true  | II. (b) (d) P©N II. (b) (d)                               | Ony II is true Both I and III are true  N  N @ O  Ony II is true  |
| P%C<br>P#Q<br>P\$Q<br>P*Q-<br>202.3         | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than nor greater than Q - P is neither smaller than nor greater than Q - Statements: A@B, B%C, C*D, D\$E - Conclusions: I. B%E - II. A%E - (a) Only conclusion I follows - (b) Only conclusion I follows - (c) Either conclusion I or II follows - (d) Neither conclusion I nor II follows - (e) Both conclusion I and II follow - Statements: A%B, B*C, C#D, D*E - Conclusions: I. A%C - II. E\$B   | C   I  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M  N % O  Only I is true  Both II and III are true  | II. (b) (d) P©N II. (b) (d)                               | Ony II is true Both I and III are true  N  N @ O  Ony II is true  |
| P%C<br>P#Q<br>P\$Q<br>202.3                 | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than nor greater than Q - P is neither smaller than nor greater than Q - Statements: A@B, B%C, C*D, D\$E - Conclusions: I. B%E II. A%E - (a) Only conclusion I follows - (b) Only conclusion I follows - (c) Either conclusion I or II follows - (d) Neither conclusion I nor II follows - (e) Both conclusion I and II follow - Statements: A%B, B*C, C#D, D*E - Conclusions: I. A%C II. E\$B - (a) Only conclusion I follows   | C   I  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  None is true  A © C, C \$ B, B  | II. (b) (d) P©N II. (b) (d) %E                            | Ony II is true Both I and III are true  N  N @ O  Ony II is true  |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than Q - P is neither smaller than nor greater than Q Statements: A@B, B%C, C*D, D\$E Conclusions: I. B%E II. A%E (a) Only conclusion I follows (b) Only conclusion I follows (c) Either conclusion I or II follows (d) Neither conclusion I nor II follows (e) Both conclusion I and II follow Statements: A%B, B*C, C#D, D*E Conclusions: I. A%C II. E\$B (a) Only conclusion I follows (b) Only conclusion II follows   | C   I   III   (a   (c   (e   210.   St   C   C   (e   210.   St   C   (e   210.   St   C   (e   C   (e   C   (e   (e   (e  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,  onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B  onclusion:  E @ C   | II. (b) (d) P©N II. (b) (d) %E                            | Ony II is true Both I and III are true  N  N@O  Ony II is true Either II or III is true   |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than Q - P is neither smaller than nor greater than Q Statements: A@B, B%C, C*D, D\$E  Conclusions: I. B%E II. A%E  (a) Only conclusion I follows (b) Only conclusion I follows (c) Either conclusion I or II follows (d) Neither conclusion I nor II follows (e) Both conclusion I and II follow Statements: A%B, B*C, C#D, D*E  Conclusions: I. A%C II. E\$B (a) Only conclusion I follows (b) Only conclusion II follows (c) Either conclusion I or II follows (d) Conclusion I follows (e) Either conclusion I or II follows (f) Only conclusion I or II follows (g) Either conclusion I or II follows   | C   I   III   (a   (c   (e   209. St   C   (e   210. St   C   (e   210. St   C   (e   210. St    | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,  onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B  onclusion:  E @ C  A © E  Only I is true  | II. (b) (d) P©N II. (b) (d) %E II. (b)                    | Ony II is true Both I and III are true  N N@O Ony II is true Either II or III is true  B@A Ony II is true   |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is not smaller than Q - P is not greater than Q - P is neither smaller than nor greater than Q - P is not greater than Q - P is not greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is not g    | C   I   III   (a   (c   (e   209. St   C   (e   210. St   C   (e   210. St   C   (e   210. St    | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,  onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B  onclusion:  E @ C  A © E  Only I is true  Both I and III are true   | II. (b) (d) P©N II. (b) (d) %E II. (b)                    | Ony II is true Both I and III are true  N N@O Ony II is true Either II or III is true   |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is not smaller than Q - P is not greater than Q - P is neither smaller than nor greater than Q - P is not greater than Q - P is neither smaller than nor greater than Q - P is not greater than Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than Q - P is neither smaller than nor equal to Q - P is neither smaller than Q - P is not smaller than Q - P is not smaller than Q - P is not smaller than Q - P is neither smaller than Q - P is not smalle    | C   I   III   (a   (c   c   C   I   III   (a   (c   c   C   I   III   (a   (c   c   c   c   (c   c   c   (c   c  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,  onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B  onclusion:  E @ C  A © E  Only I is true  Both I and III are true   | II.  (b) (d)  P© N  II.  (b) (d)  % E  II.  (b) (d)       | Ony II is true Both I and III are true  N N@O Ony II is true Either II or III is true  B@A Ony II is true   |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is not smaller than Q - P is not greater than Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than nor equal to Q - P is neither smaller than Q - P is neither smaller than nor equal to Q - P is neither smaller than Q - P is not smaller than Q - Statements: A'B, B'C, C'D, D'E - Conclusion I of II follows - Conclusion I of II follows - Conclusion I of    | C   I   III   (a) (c) (e)   209.   St   C   I   III   (a) (c) (e)   210.   St   (c) (e) (e)   211.   St   St   (a) (c) (e)   211.   St   (a) (c) (e) (e)   211.   St   (a) (c) (e) (e) (e)   (a) (e) (e) (e) (e) (e) (e) (e) (e) (e) (e  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,  onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B  onclusion:  E @ C  A © E  Only I is true  Both I and II are true  None is true  | II.  (b) (d)  P© N  II.  (b) (d)  % E  II.  (b) (d)       | Ony II is true Both I and III are true  N N@O Ony II is true Either II or III is true  B@A Ony II is true   |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is not greater than Q - P is neither smaller than nor equal to Q - P is neither smaller than Q - P is not greater than Q - Statements: A'B, B'C, C'D, D'S - Statements: A'B, B'C, C'D, D'S - Statements: A'B, B'C, C'D, D'S - Statements: A    | C   I   III   (a   (c   (e   210.   St   C   (e   211.   St   (e    | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B onclusion:  E @ C  A © E  Only I is true  Both I and II are true  None is true  atement: P © S, S \$ R, R is onclusion:   | II. (b) (d) P©N II. (b) (d) %E II. (b) (d)                | Ony II is true Both I and III are true  N  N @ O  Ony II is true Either II or III is true  B@A  Ony II is true Both I and III are true                          |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is not smaller than Q - P is not greater than Q - Is not greate    | C   I   III   (a   (c   (e   210.   St   C   I   III   (a   (c   (e   211.   St   C   C   I   III   (a   (c   (e   211.   St   C   C   I   III   (a   (c   (e   211.   St   C   C   I   III   (a   (c   (e   211.   St   C   C   (e   (e   (e   (e   (e   (e   | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,  onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B  onclusion:  E @ C  A © E  Only I is true  Both I and II are true  None is true  atement: P © S, S \$ R, R;  onclusion:  Q \$ S  | II. (b) (d) P©N II. (b) (d) %E II. (b) (d)                | Ony II is true Both I and III are true  N N@O Ony II is true Either II or III is true  B@A Ony II is true   |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - Statements: A@B, B%C, C*D, D\$E - Conclusions: I. B%E II. A%E - (a) Only conclusion I follows - (b) Only conclusion I or II follows - (c) Either conclusion I nor II follows - (d) Neither conclusion I and II follows - (e) Both conclusion I and II follows - (f) Statements: A%B, B*C, C#D, D*E - Conclusions: I. A%C II. E\$B - (a) Only conclusion I follows - (b) Only conclusion I or II follows - (c) Either conclusion I or II follows - (d) Neither conclusion I and II follows - (e) Both conclusion I and II follows - (f) Statements: A*B, B\$C, C#D, D@E - Conclusions: I. E*A II. C%A - (a) Only conclusion II follows - (b) Only conclusion II follows - (c) Only conclusion II follows - (d) Only conclusion II follows - (e) Only conclusion II follows - (e) Only conclusion II follows - (f) Only conclusion II follows - (f) Only conclusion II follows - (g) Only conclusion II follows - (h) Onl | C   I  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,  onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B  onclusion:  E @ C  A © E  Only I is true  Both I and II are true  None is true  atement: P © S, S \$ R, R and S R R R R R R R   | II. (b) (d) P© N II. (b) (d) % E II. (b) (d) × Q II.      | Ony II is true Both I and III are true  N  N @ O  Ony II is true Either II or III is true  B @ A  Ony II is true Both I and III are true                        |
| P%CP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP#QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - P is not smaller than Q - P is not greater than Q - Statements: A%B, B%C, C*D, D%E - Conclusions: I. E*A - II. C*A - II. E*B - II. C*A - II    | 209. St<br>209. St<br>Co<br>(e)<br>210. St<br>(a)<br>(c)<br>(e)<br>211. St<br>Co<br>Co<br>Co<br>Co<br>Co<br>Co<br>Co<br>Co<br>Co<br>Co   | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P,  onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B  onclusion:  E @ C  A © E  Only I is true  Both I and II are true  None is true  atement: P © S, S \$ R, R = 0  onclusion:  Q \$ S  R % P  Only I is true                  | II. (b) (d) P© N II. (b) (d) % E II. (b) (d) × Q II. (b)  | Ony II is true Both I and III are true  N  N @ O  Ony II is true Either II or III is true  B @ A  Ony II is true Both I and III are true  R @ P  Ony II is true |
| P%CPP#QP P*QP P*QP P*QP P*QP P*QP P*QP P*QP | Q - P is neither greater than nor equal to Q Q - P is neither smaller than nor equal to Q - P is not greater than Q - P is not smaller than Q - P is neither smaller than nor greater than Q - P is neither smaller than nor greater than Q - Statements: A@B, B%C, C*D, D\$E - Conclusions: I. B%E II. A%E - (a) Only conclusion I follows - (b) Only conclusion I or II follows - (c) Either conclusion I nor II follows - (d) Neither conclusion I and II follows - (e) Both conclusion I and II follows - (f) Statements: A%B, B*C, C#D, D*E - Conclusions: I. A%C II. E\$B - (a) Only conclusion I follows - (b) Only conclusion I or II follows - (c) Either conclusion I or II follows - (d) Neither conclusion I and II follows - (e) Both conclusion I and II follows - (f) Statements: A*B, B\$C, C#D, D@E - Conclusions: I. E*A II. C%A - (a) Only conclusion II follows - (b) Only conclusion II follows - (c) Only conclusion II follows - (d) Only conclusion II follows - (e) Only conclusion II follows - (e) Only conclusion II follows - (f) Only conclusion II follows - (f) Only conclusion II follows - (g) Only conclusion II follows - (h) Onl | C   I  | onclusion:  C × D  A \$ D  Only I is true  Both I and II are true  None is true  atement: M @ O, O % P, onclusion:  P © M  N % O  Only I is true  Both II and III are true  None is true  atement: A © C, C \$ B, B onclusion:  E @ C  A © E  Only I is true  Both I and II are true  None is true  atement: P © S, S \$ R, R onclusion:  Q \$ S  R % P  Only I is true  Both I and II are true | II. (b) (d) P©N II. (b) (d) %E II. (b) (d) ×Q II. (b) (d) | Ony II is true Both I and III are true  N  N @ O  Ony II is true Either II or III is true  B @ A  Ony II is true Both I and III are true                        |

DIRECTIONS (Qs. 212-214): In the given questions, assuming the given statements to be true. Find which of the given two conclusions numbered I, II is/are definitely true and give your answer accordingly.

(SBI PO Prelim 2017)

212. Statement:  $M>U>L\leq N; L\geq Y>A$ 

## **Conclusions:**

- I Y < N
- II. Y=N
- (a) Both I and II are true
- (b) Only II
- (c) Only I is true
- (d) Either I or II is true.
- (e) None is true.

213. Statement:  $J \ge A > D = E$ ; L < A < M

#### **Conclusions:**

- I. M < J
- II. J>L
- (a) Only II is true.
- (b) Either I or II are true.
- (c) Both I and II are true
- (d) Only I is true.
- (e) None is true.

214. Statement:  $M \le K > L = Y$ ;  $P \le T > M$ 

#### **Conclusions:**

- I. P>Y
- II. T < L
- (a) Only II is true
- (b) Only I
- (c) Either I or II are true
- (d) Both I and II are true
- (e) None is true

DIRECTIONS (Qs. 215-219): In these questions, relationships between different elements are shown in the statements. These statements are followed by two conclusions. Give answer

#### (IBPS RRB O/S-1 Prelim 2017)

- (a) if only conclusion I follows
- (b) if only conclusion II follows
- (c) if either conclusion I or conclusion II follows
- (d) if neither conclusion I nor conclusion II follows
- (e) if both conclusions I and II follow

215. **Statement:**  $R \ge S \ge T > U > X$ ; T < V < W

#### **Conclusions:**

I. R>X

II. X < W

216. Statement: E = F < G < H;  $G \ge I$ 

#### **Conclusions:**

I. H>I

II. E>I

217. Statement: A>B>F>C; D>E>C

#### Conclusions: L C<A

I. C\A

II. B>D

218. Statement:  $K \le L \le M = N$ ;  $P \ge O \ge N$ 

## Conclusions:

I. K < P

219. Statement: D < E < F < G; K > F

#### **Conclusions:**

I. K≤G

II. K>D

220. Which of the following expressions will be true if the expression  $V \le W < R \ge N = S \ge M$  is definitely true?

(RRB Scale-2 2017)

- (a) R≤V
- (b) R = N
- (c) R > N
- (d) Either R = N or R > N
- (e) None of these
- 221. Which of the following expressions will not be definitely true for the given expression  $V \ge W \ge T \le U = S \ge R > M > X$ ? (RRB Scale-2 2017)

- (a)  $V \ge T$
- (b)  $W \ge U$
- (c) S > M
- (d) S > X
- (e) None of these

DIRECTIONS (Qs. 222-226): In each of the following questions, assuming the given statements to be true, find which of the following two conclusions I and II is/are definitely true. Give answer:

## (IBPS RRB PO Prelim 2017)

- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either I or II is true.
- (d) if neither I nor II is true.
- (e) if both I and II are true.

In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions. Mark answer—

222. Statement:  $P \le F$ , L = K, N = P,  $F \ge L$ ,

### **Conclusions:**

- F = K
- II. F > K

223. Statement:  $C \ge G$ ,  $Q \ge R$ ,  $J \ge C$ , Q = Z,  $G \ge Q$ 

## **Conclusions:**

- I. G≥Z
- II. C≥R

224. **Statement:** D > C, A > B > C, D > E > F,

#### **Conclusions:**

- I. E>C
- II. F>B

225. Statement:  $M \ge N$ , K < L, N > O, K > M,

## **Conclusions:**

- I. O<M
- II. O<K

226. Statement:  $E < F \le G = H > S$ 

## Conclusions:

- I. G>S
- II. F≤H

DIRECTIONS (Qs. 227-231): In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer

#### (IBPS PO Prelim 2017)

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either conclusion I or II is true.
- (d) If neither conclusion I nor II is true.
- (e) If both conclusions I and II are true.

#### (227-228):

Statements: L>I=N>P;  $I\geq R>K$ ;  $N\leq E< Z$ 

- 227. Conclusions:
- I. E>P
  228. Conclusions:
- II. R<L</li>II. I<Z</li>
- I. K>N (229-230):

Statements:  $S > A = N \ge D$ ;  $A \ge L > E$ ;  $M \le L \le D$ 

229. Conclusions:

- I. S>E
- II. L < S
- 230. Conclusions:
  - I. A > M
- II. A = M

#### 231. Statements: $P \ge V \ge R \le E < Y$ ; $G \ge E > N$ **Conclusions:** P > NII. $G \ge Y$

DIRECTIONS (Os. 232-236): In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer:

#### (IBPS SO IT Prelim 2018)

232. Statements:  $I > J = K \le L$ ,  $M \le O = P \le Q > K$ 

Conclusions: I. L > J II. L = J

- Only conclusion I is true
- Only conclusion II is true
- Either conclusion I or II is true (c)
- (d) Neither conclusion I nor II is true
- (e) Both conclusion I and II are true
- 233. Statements:  $I > J = K \le L, M < N \le O = P \ge Q > K$

Conclusions: I. I>K II. Q>J

- Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Neither conclusion I nor II is true
- (e) Both conclusion I and II are true
- 234. Statements: A = M > P, N > R, A > TConclusions: I. T = P II. R < A

- (a) If only conclusion I follows.
- If only conclusion II follows.
- If either conclusion I or conclusion II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusion I and II follow.

235. Statements: X = M < A < S = T < R

Conclusions: I. M = T II. R > A

- If only conclusion I follows.
- If only conclusion II follows.
- If either conclusion I or conclusion II follows. (c)
- (d) If neither conclusion I nor II follows.
- (e) If both conclusion I and II follow.
- 236. Statements: Y > A < N, Y = B < P

Conclusions: I. P>A II. N>B

- (a) If only conclusion I follows.
- If only conclusion II follows.
- If either conclusion I or conclusion II follows.
- If neither conclusion I nor II follows.
- If both conclusion I and II follow.

**DIRECTIONS (Os. 237-241): In these questions, relationship** between different elements is shown in the statements. The statements are followed by conclusions.

#### (SBI PO Pre 2018)

#### Give answer

- (a): If only conclusion I is true
- (b): If only conclusion II is true
- (c): If either conclusion I or II is true
- (d): If neither conclusion I nor II is true
- (e): If both conclusions I and II are true
- 237. Statements:  $A \ge B = C$ ;  $B > D \ge E$ ;  $D \ge F < G$

## Conclusions

- A > E
- II. F < B
- 238. Statements:  $L > M = N \ge O \ge P$ ;  $S < R \le Q < P$ **Conclusions** 
  - I. L>S
  - II.  $N \ge P$

239. Statements:  $A > B \ge C \le D$ ;  $E \ge F \ge G = A$ 

**Conclusion:** 

- F > D
- II.  $D \ge F$
- 240. Statements:  $P \ge Q = R$ ;  $S = T \le V \ge P$

**Conclusion:** 

- P < S
- II.  $Q \le T$
- 241. Statements:  $L \ge M > N \ge O$ ;  $P > N \ge Q$

#### **Conclusion:**

- L > P
- II. L>Q

**DIRECTIONS (Qs. 242-246): In these questions, a relationship** between different elements is shown in the statements. The statements are followed by two conclusions. Give answer

#### (IBPS PO Pre 2018)

242. Statement:  $M \le N \le T \ge Q < R$ ,  $P < J \le M \ge S \ge O$ 

I.O < R

II. P > Q

- if only conclusion II is true. (a)
- if only conclusion I is true. (b)
- if neither conclusion I nor II is true. (c)
- if either conclusion I or II is true.
- (e) if both conclusions I and II are true.
- 243. Statement:  $F < L \le J \le X \le T < R$ ,  $P > X \le M < G$

I.F < MII.R > P

- (a) if both conclusion I and II are true.
- if only conclusion I is true. (b)
- if neither conclusion I nor II is true.
- if either conclusion I or II is true.
- (e) if only conclusion II is true.
- 244. Statement:  $M \le N \le T \ge Q < R$ ,  $P < J \le M \ge S \ge O$ II.J > OI. O ≥ O
  - (a) if only conclusion II is true.
  - (b) if either conclusion I or II is true.
  - if neither conclusion I nor II is true. (c)
  - (d) if only conclusion I is true.
  - (e) if both conclusions I and II are true.
- 245. Statement:  $F < L \le J \le X \le T < R$ ,  $P > X \le M < G$

I.  $T \ge L$ 

II.G>F

- (a) if only conclusion II is true.
- if only conclusion I is true. (b)
- if neither conclusion I nor II is true.
- (d) if either conclusion I or II is true.
- (e) if both conclusions I and II are true.
- 246. Statement:  $J > K \ge H = U \ge B \le T < F \le R$

I.J>B

II. H < R

- (a) if only conclusion II is true.
- if either conclusion I or II is true.
- if neither conclusion I nor II is true. (c)
- if only conclusion I is true.
- (e) if both conclusions I and II are true.
- 247. Which of the following symbols should replace the sign (\$) and (&) respectively in the given expression in order to make the expression  $L \ge U$  and R > J definitely true?

 $L \ge K \ge P = N = J \ U \le A \& R$  (IBPS Clerk Main 2019)

- (a) ≤,=
- (b) ≤,≤
- (c) >,≤
- (d) =, <
- (e) ≥,<

248. Which of the following will be definitely true if the given expression  $A \ge U \ge B = N < C = P < D \le R$  is definitely true?

#### (IBPS Clerk Main 2019)

- (a) A < C
- (b) U > B
- (c) R > N
- (d) R≥B
- (e) A < P

DIRECTIONS (Qs. 249-253): In these questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions.

#### (IBPS PO Prelim-2019)

#### Give answer

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or conclusion II follows
- (d) If neither conclusion I nor conclusion II follows
- (e) If both conclusions I and II follow
- 249. Statements:

 $M\!\leq\! N\!\leq\! O\!\leq\! P\!\leq\! R\!\leq\! S$ 

**Conclusions:** 

I. O≤S

II. M < R

250. Statements:

 $C=G<B\leq L>P=Q$ 

**Conclusions:** 

I. Q<B

II. Q<L

251. Statements:

M < N > P, M > T = L < Q

**Conclusions:** 

I. L=N

II. T > N

252. Statements:

 $A>B\leq C=D\leq E, C\geq F=G>H$ 

Conclusions:

I. G<E

II. A > H

253. Statements:

 $N = O \ge Q, P = M < O \le B$ 

**Conclusions:** 

I. N < P

II. O < N

## DIRECTIONS (Qs. 254-255): Read the following information carefully to answer the question.

## (IBPS PO Main-2019)

254. Statement:  $D \le N \le K < R$ ;  $S < K \le \hat{Q}$ ;  $N > Y \le Z$ 

## **Conclusions:**

- I. R>Y
- II. Q≤D III. S>Y
- (a) Only I and II follow
- (b) Only II follows
- (c) Only III follows
- (d) Only I and II follow
- (e) None of these
- 255. Statement:  $T \ge M > W \le V < D \ge G$ ;  $E > B \ge V$ ; L > M < S = UConclusions:
  - I. S<D
  - II. T<B
  - III. W < D
  - (a) Only I and II follow
  - (b) Only I follows

- (c) Only I and III follow
- (d) Only III follows
- (e) None of these

DIRECTIONS (Qs. 256-258): In each of the question, relationships between some elements are shown in the statements. These statements are followed by conclusions numbered I and II. Read the statements and give the answer.

## (SBI Clerk Prelim-2019)

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.
- 256. Statements:  $P \ge Q \ge R = S > T \le U < V$

Conclusions: I. T < Q

II. V > T

257. Statements:  $A \le C < E = F$ ;  $B \ge E \le D \ge G$ 

Conclusions: I. B>A

II. G < C

258. Statements:  $A > B = D \ge E$ ;  $C \le B = G \ge H$ 

**Conclusions:** I. H≤E

II. C < A

DIRECTIONS (Qs. 259-263): In the following questions, the symbols %, \$, #,  $\times$  and a are used with the following meaning as illustrated below-

## (SBI Clerk Main-2019)

- 'A#B' means 'A is not greater than B'
- 'A×B' means 'A is neither equal to nor smaller than B'
- 'A%B' means 'A is not smaller than B'
- 'A@B' means 'A is neither smaller than nor greater than B'
- 'A®B' means 'A is neither greater than nor equal to B'

Now in each of the following questions assuming the given statement to be true, find which of the conclusions given below them is/are definitely true and give your answer accordingly.

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.
- 259. Statements: U × V % W % X ® Y @ Z

Conclusions: I. U%X

II. X®Z

260. Statements:  $A \# B \times C \times D \otimes E$ 

Conclusions: I. A×D

II. D®B

261. Statements:  $M \% N \times O \% P$ ;  $O \times R \% S$ 

 $\textbf{Conclusions:} I. \quad Q \circledast M$ 

II.  $S \times N$ 

262. Statements:  $B \# D \otimes F \# G \times H \% C$ 

 $\textbf{Conclusions:} I. \quad B \, \& \, G$ 

II. G@B

263. Statements:  $J\% K \otimes L\#M$ ;  $K \times O \otimes P$ 

Conclusions: I. P ® M

II.  $J \times K$ 

DIRECTIONS (Qs. 264-268): In each of the question, relationships between some elements are shown in the statements. These statements are followed by conclusions numbered I and II. Read the statements and give the answer.

#### (IBPS RRB PO Prelim-2019)

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.
- 264. Statements:  $D \le L = F \le R \le M = P \ge T$

Conclusions: I. P=D

II. D < P

265. Statements:  $X > B = S \ge K < I \le M \le C$ 

Conclusions: I. K < X

II. B>I

266. Statements:  $E < O \le K = S > A \ge P \ge T$ 

Conclusions: I. T < K

II. E < A

267. Statements:  $G \le B = H \le C = D \ge S > T$ 

Conclusions: I.  $S \ge B$ 

II. G > T

268. Statements:  $J \ge O = T \ge E > K \ge G > P$ 

Conclusions: I. G < OII.  $J \ge K$ 

DIRECTIONS (Qs. 269-270): Relationship between different elements is shown in the statements. Find if the conclusions also follow or not.

#### (IBPS RRB PO Main-2019)

- 269. Statements:  $S > K \ge X < C = N \le Q > A$ 
  - **Conclusions:**
  - I.  $X \ge Q$ II. A > X
  - III. N<K
  - (a) only I follows
  - (b) only II follows
  - (c) either I or II follows
  - (d) None follows
  - (e) both I and II follow
- 270. Statements:  $M < W < U \le A = T \ge V \ge S$

#### **Conclusions:**

- I. T > W
- II. A = S
- III. S < A

- (a) Only I follows
- (b) Only II follows
- (c) Only I either II or III follows
- (d) Neither I nor II follow
- (e) Both I and II follow

DIRECTIONS (Qs. 271-274): In each of the question, relationships between some elements are shown in the statements. These statements are followed by conclusions numbered I and II. Read the statements and give the answer.

#### (IBPS RRB Clerk Prelim-2019)

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows
- (e) If both conclusions I and II follow..
- 271. Statements:  $Q < R \le M = L > W \le V > Z$ Conclusions:

I. L>Q

II. W > K

272. Statements:  $P \ge Q > D = F < R \le S$ 

**Conclusions:** 

I. Q > R

II. D < S

273. Statements:  $A = E \ge H \ge C < S \le B$ 

**Conclusions:** 

I. C < A

II. A = C

274. Statements:  $Y \ge N = O > P \le R > T$ Conclusions:

I. R<Y

II. N < R

DIRECTIONS (Qs. 275-277): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions. Mark answer

## (IBPS Clerk Main-2020)

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.
- 275. Statements:  $A > B \le C = D \le E, C \ge F = G > H$

Conclusions: I.  $G \le E \coprod A > H$ 

276. Statements:  $H \ge T > S \le Q$ ,  $T \ge U = V > B$ 

Conclusions: I.  $V > S II. B \le H$ 

277. Statements:  $A \le R < T = S$ ; T < Y < O;  $G \ge T < Q$ 

Conclusions: I. G > Y II. A < Q

# **Answers & Explanations**

| 1.         | (b) $H@T \Rightarrow H > T$<br>$T \# F \Rightarrow T < F$<br>$F \delta E \Rightarrow F = E$<br>$E \bigstar V \Rightarrow E \le V$<br>Therefore, $H > T < F = E \le V$ |     |     | $D \textcircled{@} V \Rightarrow D = V$<br>$V \delta M \Rightarrow V \leq M$<br>Therefore, $R < K > D = V \leq M$<br><b>Conclusions</b><br>I. $R * D \Rightarrow R < D$ : Not True |
|------------|---|-----|-----|--|
|            | Conclusions   |     |     | II. $V * R \Rightarrow V < R$ : Not True   |
|            | I. $V\$F \Rightarrow V \ge F$ : True  |     |     | III. $D @ M \Rightarrow D = M : Not True$  |
|            | II. $E@T\Rightarrow E>T$ : True   |     |     | IV. $M\%D \Rightarrow M>D$ : Not True  |
|            | III. $H @V \Rightarrow H > V$ : Not True  |     |     | D is either smaller than or equal to M.  |
|            | IV. $T \# V \Rightarrow T < V$ : True   | 7.  | (b) | Therefore, either III or IV follows. $F \% N \Rightarrow F > N$  |
| 2.         | So conclusion I, II & IV follow<br>(e) $D \# R \Rightarrow D < R$   | 7.  | (0) | $N \odot W \Rightarrow N \geq W$   |
| ۷.         | $R \bigstar K \Rightarrow R \leq K$   |     |     | $W \delta Y \Rightarrow W \leq Y$  |
|            | $K @ F \Rightarrow K > F$   |     |     | $Y*T \Rightarrow Y < T$  |
|            | $F \$ J \Rightarrow F \ge J$  |     |     | Therefore, $F > N \ge W \le Y < T$   |
|            | Therefore, $D < R \le K > F \ge J$  |     |     | Conclusions  |
|            | Conclusions   |     |     | I. $F \% W \Rightarrow F > W : True$   |
|            | I. $J \# R \Rightarrow J < R$ : Not True  |     |     | II. $T \% N \Rightarrow T > N : Not True$  |
|            | II. $J\#K \Rightarrow J < K$ : True   |     |     | III. N % Y $\Rightarrow$ N > Y : Not True  |
|            | III. $R \# F \Rightarrow R < F$ : Not True  |     |     | IV. $T \% W \Rightarrow T > W$ : True  |
|            | IV. $K@D \Rightarrow K > D$ : True  |     |     | So, only conclusion I and IV follow  |
| 3.         | So only conclusion II & IV follow<br>(e) $N\delta B \Rightarrow N=B$  | 8.  | (d) | $B \odot T \Rightarrow B \ge T$  |
| <i>J</i> . | $\begin{array}{c} B \ W \Rightarrow B \geq W \end{array}$   |     |     | $T * R \Rightarrow T < R$  |
|            | $W # H \Rightarrow W < H$   |     |     | $R\%F \Rightarrow R>F$   |
|            | $H \bigstar M \Rightarrow H \leq M$   |     |     | $F @ K \Rightarrow F = K$  |
|            | Therefore, $N = B \ge W < H \le M$  |     |     | Therefore, $B \ge T < R > F = K$   |
|            | Conclusions   |     |     | Conclusions  |
|            | I. $M@W \Rightarrow M > W$ : True   |     |     | I. $B\%R \Rightarrow B>R$ : Not True   |
|            | II. $H @ N \Rightarrow H > N$ : Not True  |     |     | II. $F * T \Rightarrow F < T$ : Not True   |
|            | III. $W \delta N \Rightarrow W = N$ : Not True IV. $W \# N \Rightarrow W < N$ : Not True  |     |     | III. $R\%K \Rightarrow R > K$ : True   |
|            | W is either smaller than or equal to N. Therefore either III or I   | V   |     | IV. $K * T \Rightarrow K < T$ : Not True   |
|            | and I are true.   | 9.  | (a) | So only conclusion III is true.  |
| 4.         | (a) $R \star D \Rightarrow R \leq D$ , $D \cdot J \Rightarrow D \geq J$   | 9.  | (a) | $J @ F \Rightarrow J = F$ $F \delta N \Rightarrow F \leq N$  |
| →.         | $ \begin{array}{ccc} \text{(a)} & \text{K} \times D \to \text{K} \leq D, & D \leq J \\ \text{J} \# M \Rightarrow J \leq M, & M @ K \Rightarrow M \geq K \end{array} $ |     |     | $N\%H\Rightarrow N>H$  |
|            | Therefore, $R \le D \ge J \le M > K$  |     |     | H©G⇒H≥G  |
|            | Conclusions   |     |     | Therefore, $J = F \le N > H \ge G$   |
|            | I. $K \# J \Rightarrow K < J$ : Not True  |     |     | Conclusions  |
|            | II. $D(a) M \Rightarrow D > M$ : Not True   |     |     | I. $G*N \Rightarrow G < N$ : True  |
|            | III. $R \neq M \Rightarrow R < M$ : Not True  |     |     | II. $N \odot J \Rightarrow N \ge J$ True   |
|            | IV. $D@K \Rightarrow D > K$ : Not True<br>So none of the conclusion follows   |     |     | III. $F * J \Rightarrow F < J$ : Not True  |
| 5.         | (e) $M \ K \Rightarrow M \ge K$   |     |     | IV. $J \delta G \Rightarrow J \leq G$ : Not True   |
| ٥.         | $K@N \Rightarrow K > N$   |     |     | So only conclusion I and II follow.  |
|            | $N \not \star R \Rightarrow N \leq R$   | 10. | (e) | $D\delta T \Rightarrow D \leq T$   |
|            | $R \# W \Rightarrow R < W$  |     | ( ) | $T @ R \Rightarrow T = R$  |
|            | Therefore, $M \ge K > N \le R < W$  |     |     | $R \odot M \Rightarrow R \ge M$  |
|            | Conclusions I. $W @ K \Rightarrow W > K$ : Not True   |     |     | $M \% K \Rightarrow M > K$   |
|            | II. $M \ R \Rightarrow M \ge R$ : Not True  |     |     | Therefore, $D \le T = R \ge M > K$   |
|            | III. $K @ W \Rightarrow K > W$ : Not True   |     |     | Conclusions  |
|            | IV. $M \otimes N \Rightarrow M > N$ : True  |     |     | I. $R @ D \Rightarrow R = D$ : Not True  |
| (          | So, only conclusion IV is true.   |     |     | II. $R\%D \Rightarrow R>D$ : Not True  |
| 6.         | (d) $R*K \Rightarrow R < K$<br>$K\%D \Rightarrow K > D$   |     |     | R is either greater than or equal to D.  |
|            | $\mathbf{K} / 0 D \rightarrow \mathbf{K} \wedge D$  |     |     | 3  |

```
Therefore, either I or II is true.
                                                                                  28.
                                                                                         (a) H\%F \Rightarrow H>F
            III. K * T \Rightarrow K < T : True
                                                                                               F * W \Rightarrow F < W
                                                                                               W $E = W = E
            IV. M \delta T \Rightarrow M \leq T: True
                                                                                               Therefore, H \ge F < W = E
                                      (a)
11. (c)
              12. (e)
                             13.
                                                 14.
                                                        (b)
                                                                 15.
                                                                        (d)
                                                                                               Conclusions:
                              18.
                                                 19.
                                                                 20.
16.
      (c)
              17.
                     (e)
                                       (d)
                                                        (a)
                                                                        (b)
                                                                                               I. E \delta F \Rightarrow E > F (True)
      (a) Statements:
21.
                                                                                               II. H \delta W \Rightarrow H > W \text{ (False)}
             H \star K \Rightarrow H < K
                                                                                  29.
                                                                                         (d)
              K \delta N \Rightarrow K < N
                                                                                  30.
                                                                                         (e)
              N \$ W \Rightarrow N > W
                                                                                  31.
                                                                                         (d) Accordingly,
              Therefore, H < K < N > W
                                                                                                                F@N \Rightarrow F \leq N
              Conclusions:
                                                                                                               N\delta R \Rightarrow N > R
                     N H \Rightarrow N > H (True)
                                                                                                               H@R \Rightarrow H \leq R
             П.
                      W \delta H \Rightarrow W < H \text{ (False)}
                                                                                                               F \le N > R \ge H
      (d)
22.
            Statements:
                                                                                                               H\delta N \Rightarrow H>N
                                                                                                                                               [not true]
                                                                                         Conclusion: I.
             H \otimes K \Rightarrow H \geq K
                                                                                                               F \# R \implies F < R
                                                                                                                                               [not true]
                                                                                                          П.
              K\%R \Rightarrow K = R
                                                                                         (b) Accordingly,
              R \delta N \Rightarrow R < N
                                                                                                                M \# T \Rightarrow M < T
              Therefore, H \ge K = R < N
                                                                                                                T @ K \Rightarrow T \le K
              Conclusions:
                                                                                                                K\$N \Rightarrow K\ge N
                      N \otimes K \Rightarrow N > K  (False)
                                                                                                               M < T \le K \ge N
                      R\%H \Rightarrow R = H (False)
              II.
                                                                                         Conclusion: I.
                                                                                                               M # N \Rightarrow M < N
                                                                                                                                               [not true]
             Statements:
23. (c)
                                                                                                               K \delta M \Rightarrow K > M
                                                                                                         II.
                                                                                                                                               [true]
             R T \Rightarrow R > T
                                                                                               Only conclusion II is true.
              T \odot M \Rightarrow T > M
                                                                                         (c) Accordingly,
                                                                                  33.
              M \% J \Rightarrow M = J
                                                                                                                T\%H \Rightarrow T=H
              Therefore, R > T \ge M = J
                                                                                                                H \$ W \Rightarrow H \ge W
              Conclusions:
                                                                                                               T = H \ge W
              I. J \% T \Rightarrow J = T \text{ (False)} -
                                                                                                                W \# T \implies W < T
                                                                                         Conclusion: I.
                                                                                                                                               [true]
                                                                                                               W \% T \Rightarrow W = T
                                                                                                         П
              II. J \delta T \Rightarrow J < T (False) -
                                                                                               If either conclusion I or II is true.
                                                                                                                                               [true]
24.
             Statements:
      (e)
                                                                                  34
                                                                                         (a) Accordingly,
              B \delta A \Rightarrow B < A
                                                                                                                N\delta K \Rightarrow N>K
              A \star M \Rightarrow A < M
                                                                                                                K \# D \implies K < D
              W @ M \Rightarrow W \geq M
                                                                                                                D\%M \Rightarrow D=M
              Therefore, B \le A \le M \le W
                                                                                                              N > K < D = M
              Conclusions:
                                                                                         Conclusion: I.
                                                                                                               M\delta K \Rightarrow M>K
                                                                                                                                               [true]
              I. W \ B \Rightarrow W > B \ (True)
              II. A \star W \Rightarrow A \leq W (True)
                                                                                                         II. D\delta N \Rightarrow D > N
                                                                                                                                               [not true]
                                                                                               Only conclusion I is true.
25.
      (b) Statements:
             B\%T \Rightarrow B=T
                                                                                  35.
                                                                                         (e) Accordingly,
             T \odot M \Rightarrow T > M
                                                                                                                J \ B \Rightarrow J \ge B
             M \star D \Rightarrow M < D
                                                                                                                B \% R \Rightarrow B = R
             Therefore, B = T \ge M \le D
                                                                                                                R \delta F \Rightarrow R > F
             Conclusions:
                                                                                                          \therefore J \geq B = R > F
                  D \otimes B \Rightarrow D \geq B (False)
                                                                                                               F \# B \Rightarrow F < B
                  M \star B \Rightarrow M \leq B \text{ (True)}
                                                                                         Conclusion: I.
                                                                                                                                               [true]
26.
      (b) D T \Rightarrow D = T
                                                                                                          II. R @ J \Rightarrow R \leq J
                                                                                                                                               [true]
             T \% M \Rightarrow T > M
                                                                                               Both conclusions I and II are true.
             M * J \Rightarrow M < J
                                                                                               In the expression A > B \ge C \equiv D \le E = F to make
                                                                                  36.
             Therefore, D = T \ge M < J
                                                                                               A > D true and F \ge C true.
             Conclusions:
                                                                                  37.
                                                                                         (a) Trying option (a)
                  J \delta D \Rightarrow J > D (False)
                                                                                                     P > Q = R \le T < S
             II. M \odot D \Rightarrow M < D \text{ (True)}
      (c) B * K \Rightarrow B < K
27.
                                                                                                      P > R
             K \$ N \Rightarrow K = N
                                                                                               R < S A_S Q = R so Q < S
             N\%R \Rightarrow N \geq R
                                                                                               Both the expressions are true in option (a)
             Therefore, B < K = N > R
                                                                                  38.
                                                                                         (a) A < L < T < R \le H > K
             Conclusions:
                                                                                               Conclusions:
             I. R \ K \Rightarrow R = K \text{ (False)} 
                                                                                               I. H>L: True
                                                 Either
             II. R * K\Rightarrow R < K (True)
                                                                                               II. K > T: Not True
```

| 39. | (e)        | $P = N > D \ge G < B = J$  | 60.       | (d)        | Statement: $Z \ge Y = W \le X$   |
|-----|------------|--|-----------|------------|--|
|     |            | Conclusions:   |           |            | Conclusions: I. $W < Z(\checkmark)$  |
|     |            | I. $G < P$ : True  |           |            | II. $W = Z(\checkmark)$ Either   |
|     |            | II. G < J: True  | 61.       | (d)        | ` ',   |
| 40. | (d)        | $F \le C \ge V = Z > X = U$  | 01.       | (u)        | Conclusions: I B>L(x)  |
|     |            | Conclusions:   |           |            | II. $A > Y(x)$   |
|     |            | I. V < U: Not True   | 62.       | (b)        | Conclusions:   |
| 41. | (b)        | II. $Z < F$ : Not True<br>$Q \le E = I > N \ge R \ge S$  |           |            | I. Z>C: Not True   |
| 41. | (0)        | Conclusions:   |           |            | II. B <z: td="" true<=""></z:>   |
|     |            | I. E = S: Not True   | 63.       | (a)        | So only conclusions II follows.  Conclusions:  |
|     |            | II. $S \le N$ : True   | 05.       | (a)        | I. B <c: td="" true<=""></c:>  |
| 42. | (a)        | $H \ge I = J > K \le L$  |           |            | II. $R \ge C$ : Not True   |
|     | ()         | Conclusions:   |           |            | So, only conclusions I follows.  |
|     |            | I. K < H : True  | Sol.      | (64-6      |  |
|     |            | II. $L \ge I$ : Not True   |           |            | Q>T  |
| 43. | (d)        | S>C≥O  |           | R ><br>T ≥ |  |
|     |            | S>C>P  |           |            | A<br>Q>T≥A   |
|     |            | $P < C \ge O$  |           |            | Q < R  |
|     |            | Conclusions:   |           | R >        | Q>T≥A  |
|     |            | I. O < P : Not True  | 64.       | (a)        | Conclusions:   |
| 4.4 |            | II. S < P : Not True   |           |            | I. A < Q : True  |
| 44. | (e)        |  |           |            | II. $A \le P$ : Not True   |
|     |            | Conclusions:   | 65.       | (e)        | So, only conclusions I follows.  Conclusions:  |
|     |            | I. B>R:True II. R <c:true< td=""><td>05.</td><td>(0)</td><td>I. T &lt; P : True</td></c:true<> | 05.       | (0)        | I. T < P : True  |
| 45. | (d)        | $D > E \le F > J$  |           |            | II. R>A: True  |
| ٦٥. | (u)        | Conclusions:   |           |            | So, both the conclusions I and II follow.  |
|     |            | I. D>J: Not True   | 66.       | (d)        | $P > T = U \le W$  |
|     |            | II. $E < J$ : Not True   |           |            | $Q \ge R \ge W$ $P > T = U \le W \le R \le Q$  |
| 46. | (e)        | $P < Q \le R$  |           |            | Conclusions:   |
|     | • •        | $R \ge Q > T$  |           |            | I. $T = R$ : Not True  |
|     |            | Conclusions:   |           |            | II. $U < R$ : Not True   |
|     |            | I. R>P: True   | <b>(7</b> | ( )        | So, None of the conclusion follows.  |
| 47  | (-)        | II. $T < R$ : True   | 67.       | (c)        | Statements:  |
| 47. | (e)        | As (i) $U > X$ (ii) $T > U$<br>Hence $T > X$   |           |            | $ \begin{array}{l} R @ J \Rightarrow R \leq J \\ F \Sigma J \Rightarrow F \geq J \end{array} $ |
|     |            | As $R \ge T$ So $R \ge X \rightarrow I^{st}$ follows   |           |            | $C\Sigma F \Rightarrow C \geq F$   |
|     |            | As (i) $W > T$ (ii) $T > X$  |           |            | Therefore,   |
|     |            | Combining, we get $W > X \rightarrow II^{nd}$ follows.   |           |            | $R \le J \le F \le C$  |
| 48. | (a)        | As (i) $H > G$ (ii) $G \ge I$  |           |            | Conclusions:   |
|     |            | Combining, we get $H > I \rightarrow I^{st}$ follows.  |           |            | I. $R \otimes C \Rightarrow R = C : True \neg$<br>Either                                       |
|     |            | As (i) $G \ge I$ (ii) $G > E$  |           |            | II. $C \# R \Rightarrow C > R : True \longrightarrow$  |
| 40  | ( )        | Combining, we get $E \ge I$ not possible.  | 68.       | (a)        | So either conclusion I or II is true.  |
| 49. | (a)        | As (i) $A > F$ (ii) $F > C$<br>So $A > C \rightarrow I^{st}$ follows                           | 08.       | (a)        | Statements: $W @ P \Rightarrow W \leq P$   |
| 50. | (0)        | $50 \text{ A} > C \rightarrow 1^{16} \text{ follows}$<br>51. (b) 52. (e) 53. (e) 54. (e)       |           |            | $W \# E \Rightarrow W > E$   |
| 55. | (c)<br>(e) | 56. (e) 52. (c) 53. (c) 54. (c)  |           |            | $E\Delta V \Rightarrow E < V$  |
| 57. | (a)        | Statement: $O < R < K > I > T \ge E$   |           |            | Therefore,   |
|     | ()         | Conclusions: I. R < E (×)  |           |            | $V > E < W \le P$  |
|     |            | II. $O < T(x)$   |           |            | Conclusions:<br>I. $P \# E \Rightarrow P > E$ : True   |
| 58. | (b)        |  |           |            | II. $V \odot W \Rightarrow V = W$ : Not True   |
|     |            | Conclusions: I. $O > Y(\checkmark)$  |           |            | So, only conclusion I is true.   |
| 50  | (0)        | II. $C < D(\checkmark)$<br>Statement: $V > I > M > N$  | 69.       | (e)        | Statements:  |
| 59. | (e)        | Statement: $K \ge L > M \ge N$<br>Conclusions: I. $N \le K(x)$                                 |           |            | $J \odot R \Rightarrow J = R$  |
|     |            | Conclusions: I. $N \le K(x)$<br>II. $N < K(\checkmark)$  |           |            | $P \Sigma R \Rightarrow P \ge R$   |
|     |            | II. 11 . IX(. )  |           |            |  |

|     |     | $Z \# P \Rightarrow Z > P$                             | 76.         | (b) |
|-----|-----|--|-------------|-----|
|     |     | Therefore,   |             | (0) |
|     |     | $J = R \le P \le Z$                                    |             |     |
|     |     | Conclusions:   |             |     |
|     |     | I. $R \Delta Z \Rightarrow R < Z$ : True               |             |     |
|     |     | II. $J @ P \Rightarrow J \le P$ : True                 |             |     |
|     |     | So, both the conclusions I and II are true.            |             |     |
| 70. | (d) | Statements:  |             |     |
|     |     | $G@0 \Rightarrow G \leq 0$                             |             |     |
|     |     | $N \odot O \Rightarrow N = O$                          | 77.         | (c) |
|     |     | $H\#G \Rightarrow H>G$                                 |             |     |
|     |     | Therefore,   |             |     |
|     |     | $H>G\leq O=N$  |             |     |
|     |     | Conclusions:   |             |     |
|     |     | I. $O \triangle H \Rightarrow O < H$ : Not True        |             |     |
|     |     | II. $G \odot N \Rightarrow G = N$ : Not True           |             |     |
|     |     | So, none of the conclusion follows.                    |             |     |
| 71. | (b) |  |             |     |
|     |     | $Q \Delta B \Rightarrow Q < B$                         |             |     |
|     |     | $M \odot B \Rightarrow M = B$                          | 78.         | (e) |
|     |     | $K \Sigma M \Rightarrow K \ge M$                       |             | (-) |
|     |     | Therefore,   |             |     |
|     |     | $Q < B = M \le K$                                      |             |     |
|     |     | Conclusions:   |             |     |
|     |     | I. $K \odot B \Rightarrow K = B$ : Not True            |             |     |
| 72  | (a) | II. $Q \triangle K \Rightarrow Q < K$ : True           |             |     |
| 72. | (e) | $E < F \le G = H > S$                                  |             |     |
|     |     | Conclusion   |             |     |
|     |     | I:G>S:True Conclusion                                  |             |     |
|     |     |  |             |     |
| 72  | (-) | II: $F \le H$ : True                                   | <i>7</i> 9. | (b) |
| 73. | (a) | $P \le Q < W = L$                                      |             | (-) |
|     |     | Conclusion   |             |     |
|     |     | I: L>P: True   |             |     |
|     |     | Conclusion   | 80.         | (e) |
|     |     | II : $Q \le L$ : False                                 |             |     |
| 74. | (a) | $V\$Y \Rightarrow V = Y$                               |             |     |
|     |     | $Y @Z \Rightarrow Y \ge Z$                             |             |     |
|     |     | $Z\%X \Rightarrow Z \leq X$                            | 81.         | (a) |
|     |     | $X \# T \Rightarrow X > T$                             | 01.         | (a) |
|     |     | From all above statements,                             |             |     |
|     |     | $V = Y \ge Z \le X > T$                                |             |     |
|     |     | Conclusions  | 82.         | (d) |
|     |     | I. $T \# Z \Rightarrow T > Z$ (False)                  |             | ( ) |
|     |     | II. $X \# Y \Rightarrow X > Y$ (False)                 |             |     |
|     |     | III. $Z \star Y \Rightarrow Z < Y$ (False)             |             |     |
|     |     | None follows.  |             |     |
| 75. | (a) | $R @ J \Rightarrow R \ge J$                            |             |     |
|     | ( ) | $J \% F \Rightarrow J \leq F$                          | 83.         | (a) |
|     |     | $F \star E \Rightarrow F < E$                          |             |     |
|     |     | $E \% M \Rightarrow E \leq M$                          |             |     |
|     |     | From all above statements, $R \ge J \le F \le E \le M$ |             |     |
|     |     | Conclusions  | 0.4         | (L) |
|     |     | I. $M \# J \Rightarrow M > J \text{ (True)}$           | 84.         | (b) |
|     |     | II. $F \% M \Rightarrow F \le M \text{ (False)}$       |             |     |
|     |     | III. $M \star R \Rightarrow M < R \text{ (False)}$     |             |     |
|     |     | Only (I) follows.                                      |             |     |
|     |     |  |             |     |

```
76. (b) H \# R \Rightarrow H > R
            R@L \Rightarrow R \ge L
            L \star W \Rightarrow L < W
            W \% F \Rightarrow W \leq F
            From all above statements, H > R \ge L < W \le F
            Conclusions
            I.
                   H \# L \Rightarrow H > L (True)
            II.
                 F \# L \Rightarrow F > L (True)
            III. H \ F \Rightarrow H = F (False)
            M \# K \Rightarrow M > K
            M F \Rightarrow M = F
            F\%Q \Rightarrow F \leq Q
            Q \star H \Rightarrow Q < H
            From all above statements,
            K < M = F \le O < H
            Conclusions
                   H \# K \Rightarrow H > K(True)
                   Q \# K \Rightarrow Q > K (True)
            II.
            III. Q @ M \Rightarrow Q \ge M (True)
            So, all follow.
            D \star Q \Rightarrow D < Q
            QL\Rightarrow Q=L
            L \# T \Rightarrow L > T
            T\% H \Rightarrow T \leq H
            From all above statemens,
            D < Q = L > T \le H
            Conclusions
            I. D \star L \Rightarrow D < L \text{(True)}
            II. L @ H \Rightarrow L \ge H \text{ (Not true) } \gamma
                                                      Either
            III. H @ L \Rightarrow H \geq L (Not true)
            Only (I) and either (II) or (III) follow.
            A>B=C<D<E
            Conclusions
            I. D > A: Not true
            II. E > C: True
            L>U>Z
            R > U > K
            Conclusions
            I. L>Z:True II. K<R:True
            Y < J = P \ge R > I
            Conclusions
            I. J > I: True
            II. Y < R: Not True
            T < K > M = N
            V > K > M = N > S
            \therefore K > T \text{ or } N
            Conclusions
            I. T < N: Not true
            II. V = S: Not true
            F \le X \le E
            F \leq X \geq R
            Conclusions
            I. F \le E: True
            II. R < F: Not true
```

 $B > V....(i) K < C...(ii); C \le B...(iii)$ 

From (ii) and (iii), B > K. Hence II follows.

Hence I does not follow.

No relationship can be find out between V and C.

| 85. | (d)        | K > T(i); $S = K$ (ii); $T$  |  | 96.        | (b) |   |         |
|-----|------------|--|--|------------|-----|---|---------|
|     |            | Neither relationship $S > R$ nor   |  |            |     | $I \ge H = T > S \le R$   |         |
| 86. | (c)        | $U=M(i) P \ge U(iii); M \ge$   | B(iii)                                 |            |     | Conclusions   |         |
|     |            | Combining, we get $P \ge U = \Lambda$  | $M \ge B \Longrightarrow P \ge B$      |            |     | I. $I * T \rightarrow I > T$ I. $L > J$   | Either  |
|     |            | $\Rightarrow P = B \text{ or } P > B$  |  |            |     | II. $I \ T \rightarrow I = T$ II. $L = J$                                       | J ,     |
| 87. | (d)        | $L \ge N(i); J \le P(ii); P \ge I$   | > <i>L</i> (iii)                       | <b>~</b> = |     | $\coprod S * H \to S > H$   | (False) |
|     | (-)        | Neither relationship $J = L$ nor $L$   |  | 97.        | (e) | Statements  |         |
| 88. | (e)        | $H \ge G$ (i); $D > E$ (ii); $H$   |  |            |     | $S \le T < N = Q > O$   |         |
| 00. | (0)        | Combining, we get $D > E = H$  |  |            |     | Conclusions   |         |
|     |            |  |  |            |     |   | (False) |
| 00  | <i>a</i> > | $\Rightarrow D > H$ and $G < D$ are foll   | .0W.                                   |            |     |   | (False) |
| 89. | (b)        |  |  |            |     |   | (True)  |
| 90. | (e)        | $NSD \rightarrow N-D$  |  | 98.        | (d) |   |         |
| 91. | (e)        | $N \delta B \Rightarrow N = B$   |  |            |     | $H \ge J > K = L, K \le M$  |         |
|     |            | $B \$ W \Rightarrow B \ge W$   |  |            |     | Conclusions   |         |
|     |            | $W \# H \Rightarrow W < H$   |  |            |     |   | (False) |
|     |            | $H \star M \Rightarrow H \leq M$   |  |            |     |   | (False) |
|     |            | Therefore, $N = B \ge W < H \le N$   | 1                                      |            |     |   | (False) |
|     |            | Conclusions  |  | 99.        | (d) | $D \blacklozenge R \Rightarrow D \leq R$  |         |
|     |            | I: $M @ W \Rightarrow M > W$ ; True  | ,                                      |            |     | $R \# M \Rightarrow R < M$  |         |
|     |            | II: $H@N \Rightarrow H > N$ ; False  |  |            |     | $M @ K \Rightarrow M = K$   |         |
|     |            | III: $W \delta N \Rightarrow W = N$ ; either t   |  |            |     | $K\% F \Rightarrow K > F$   |         |
|     |            | IV: $W \# N \Rightarrow W < N$ ; either t  |  |            |     | Therefore,  |         |
|     |            | W is either smaller or equal to or IV is true.   | on. Therefore, either III              |            |     | $D \le R < M = K > F$   |         |
| 00  | (-)        |  |  |            |     | Conclusions:  |         |
| 92. | (a)        | $R \star D \Rightarrow R \leq D$   |  |            |     | I. $F \ M \Rightarrow F \ge M : \text{Not Tr}$                                  |         |
|     |            | $D \$ J \Rightarrow D \ge J$   |  |            |     | II. $K @ R \Rightarrow K = R : Not T$<br>III. $K \% R \Rightarrow K > R : True$ | rue     |
|     |            | $J \# M \Rightarrow J < M$   |  |            |     |   | Тепа    |
|     |            | $M @ K \Rightarrow M > K$  |  | 100.       | (a) | IV. $D @ M \Rightarrow D = M : Not$<br>$R \$ B \Rightarrow R \ge B$             | True    |
|     |            | Therefore, $R \le D \ge J \le M > K$   |  | 100.       | (a) | $B @ A \Rightarrow B = A$   |         |
|     |            | Conclusions  |  |            |     | $A\%K \Rightarrow A>K$  |         |
|     |            | I. $K \# J \Rightarrow K < J$ ; Not true   | ,,,                                    |            |     | $K \# M \Rightarrow K < M$  |         |
|     |            | II. $D @ M \Rightarrow D > M$ ; Not tr   |  |            |     | Therefore,  |         |
|     |            | III. $R \# M \Rightarrow R < M$ ; Not true   |  |            |     | $R \ge B = A > K < M$   |         |
| 93. | (e)        | IV. $D @ K \Rightarrow D > K$ ; Not tru<br>$M \$ K \Rightarrow M \ge K$                              | C                                      |            |     | Conclusions:  |         |
| 93. | (6)        | $K @ N \Rightarrow K > N$  |  |            |     | I. $M\%A \Rightarrow M>A: Not$  | Гтие    |
|     |            | $N \star R \Rightarrow N \leq R$   |  |            |     | II. $K \$ B \Rightarrow K \ge B$ : Not Tr                                       |         |
|     |            |  |  |            |     | III. $A\% R \Rightarrow A > R : Not Tr$   |         |
|     |            | $R \# W \Rightarrow R < W$<br>Therefore, $M \ge K > N \le R < W$                                     | I                                      |            |     | IV. $K \# R \Rightarrow K < R$ : True   |         |
|     |            | Conclusions,   | 1                                      |            |     | Only conclusion IV follows.   |         |
|     |            | I. W @ K $\Rightarrow$ W > K; Not T  | rue                                    | 101.       | (c) | $D \# M \Rightarrow D < M$  |         |
|     |            | II. $M \ R \Rightarrow M \ge R$ ; Not Tru  |  |            | . / | $M  \$  R \Longrightarrow M \ge R$  |         |
|     |            | III. $K @ W \Rightarrow K > W$ ; Not T   |  |            |     | $R @ J \Rightarrow R = J$   |         |
|     |            | IV. $M @ N \Rightarrow M > N$ ; True   | Tuc                                    |            |     | $W \% J \Rightarrow W > J$  |         |
| 94. | (b)        | Statements   |  |            |     | Therefore,  |         |
| 74. | (0)        | $O \ge F \ge E \ge P = R$  |  |            |     | $D < M \ge R = J < W$   |         |
|     |            | Conclusions  |  |            |     | <b>Conclusions:</b>   |         |
|     |            |  | False)                                 |            |     | I. $W \% R \Rightarrow W > R : True$  | ;       |
|     |            | `  | True)                                  |            |     | II. $M \ J \Rightarrow M \ge J$ : True  |         |
|     |            | <del>-</del> ,   | False)                                 |            |     | III. $R \% D \Rightarrow R > D$ : Not T   |         |
| 95. | (a)        | Statements   |  |            |     | IV. $W \% M \Rightarrow W > M : No$   |         |
| ,,, | (4)        | E>D=A>B <c< td=""><td></td><td></td><td></td><td>Only conclusion I and II foll</td><td>ow.</td></c<> |  |            |     | Only conclusion I and II foll   | ow.     |
|     |            | Conclusions  |  | 102.       | (b) | $W @ T \Rightarrow W = T$   |         |
|     |            |  | True)                                  |            |     | $T S N \Rightarrow T \ge N$   |         |
|     |            |  | False)                                 |            |     | $N \# F \Rightarrow N < F$  |         |
|     |            | *  | False)                                 |            |     | $V\%F \Rightarrow V>F$  |         |
|     |            | 9 (  | ·· · · · · · · · · · · · · · · · · · · |            |     |   |         |

|      |       | Therefore,  | Conclusions:   |
|------|-------|---|--|
|      |       | $W = T \ge N < F < V$   | I. $T > K$ : True  |
|      |       | Conclusions:  | II. P>O: True  |
|      |       | I. $V\%N \Rightarrow V>N$ : True  | Sol. (113-114):  |
|      |       | II. $W \ N \Rightarrow W \ge N$ : True  | $B>0=K\geq L$  |
|      |       | III. $T \ F \Rightarrow T \ge F : \text{Not True}$  | $D>K\geq S$  |
|      |       | IV. $V @ N \Rightarrow V = N$ : Not True  | $B>O=K\geq S$  |
| 102  | (-)   | So only conclusion I and II follow.   | $D > K = O \ge L$  |
| 103. | (e)   | $B\% K \Rightarrow B > K$   | $S \le O = K \ge L$  |
|      |       | $K # D \Rightarrow K < D$   | 113. (a) Conclusions:  |
|      |       | $ \begin{array}{c} D \lozenge N \Rightarrow D \leq N \\ N \otimes T \Rightarrow N = T \end{array} $ | I. O <d: td="" true<=""></d:>  |
|      |       | $N@T \Rightarrow N = T$<br>Therefore,   | II. $S \le L$ : Not True   |
|      |       | $B>K< D\leq N=T$  | 114. (b) Conclusions:  |
|      |       | Conclusions:  | I. $L > D$ : Not True  |
|      |       | I. $N\%K \Rightarrow N > K$ : True  | II. B>S: True  |
|      |       | II. $T \ D \Rightarrow T \ge D$ : True  | 115. (b) 116. (e) 117. (a) 118. (e) 119. (d)                                     |
|      |       | III. $K # B \Rightarrow K < B$ : True   | 120. (d) 121. (b) 122. (e) 123. (c) 124. (d)                                     |
|      |       | IV. $T\%K \Rightarrow T>K$ : True   | 125. (d) 126. (d) 127. (d) 128. (b) 129. (b)                                     |
| 104. | (e)   | Conclusions:  | Sol. (130-134):  |
| 101. | (0)   | I. I < 0 : True   | $P \ Q \implies P \ge Q$   |
|      |       | II. Z>S: True   | $P @ Q \Rightarrow P > Q$  |
| 105. | (a)   | Conclusions:  | $P \# Q \implies P < Q$  |
|      | ()    | I. Z>I: True  | $P \& Q \Rightarrow P = Q$   |
|      |       | II. $S < I$ : Not True  | $P * Q \Rightarrow P \leq Q$   |
| 106. | (d)   |   | 130. (b) $H@T - H > T$   |
|      | ` ′   | Conclusions:  | T # F - T < F  |
|      |       | I. $G \le U$ : Not True   | F&E - F=E  |
|      |       | II. $S > O$ : Not True  | $E*V - E \leq V$   |
| 107. | (a)   | $A \ge L < P \le B$   | $H > T < F = E \le V$  |
|      |       | $P \ge M$   | Conclusion I: $V \$ F \Rightarrow V \ge F \Rightarrow True$                      |
|      |       | $A \ge L < P \ge M$   | Conclusion II: $E @ T \Rightarrow E > T \Rightarrow True$                        |
|      |       | $M \le P \le B$   | Conclusion III : $H @ V \Rightarrow H > V \Rightarrow False$                     |
|      |       | Conclusions:  | Conclusion IV: $T #V \Rightarrow T < V \Rightarrow True$                         |
|      |       | I. B≥M: True  | 131. (e) $D \# R - D < R$  |
| Sal  | /1/10 | II. A > M : Not True  | $R*K-R\leq K$  |
| 301. | (100  | -109): $I \ge M = P > R$  | K@F-K>F  |
|      |       | $B < P \ge A$   | F\$J-F≥J   |
|      |       | $I \ge M = P > B$   | $D < R \le K > F \ge J$  |
|      |       | $I \ge M = P \ge A$   | Conclusion I: $J\#R \Rightarrow J < R \Rightarrow False$                         |
|      |       | $I \ge M = P > R$   | Conclusion II: $J \# K \Rightarrow J < K \Rightarrow True$                       |
|      |       | B < M = P > R   | Conclusion III: $R \# F \Rightarrow R < F \Rightarrow False$                     |
| 108. | (c)   | Conclusions:  | Conclusion IV: K @ D $\Rightarrow$ K > D $\Rightarrow$ True                      |
|      |       | I. $A < I$ : Not True II. $I = A$ : Not True  | 132. (e) $N \& B = N = B$  |
|      |       | A is either smaller than or equal to I.   | $B \$ W = B \ge W$   |
| 109. | (b)   | Conclusions:  | W # H = W < H  |
|      |       | I. $A \leq R$ : Not True  | $H * M = H \le M$  |
| 110  |       | II. B <i: td="" true<=""><td><math display="block">N = B \ge W &lt; H \le M</math></td></i:>        | $N = B \ge W < H \le M$  |
| 110. | (a)   | $B > C = D \ge X \ge E$   | Conclusion I: $M @ W \Rightarrow M > W \Rightarrow True$                         |
|      |       | $B > C = D \le Z$   | Conclusion II: $H @ N \Rightarrow H > N \Rightarrow False$                       |
|      |       | Conclusions:  | Conclusion III: $W \& N \Rightarrow W = N \Rightarrow True \rightarrow Either$   |
| 111  | (4)   | I. $B > E$ : True II. $Z \ge B$ : Not True $E > F \ge G < H \le I < J$                              | Conclusion IV: $W # N \Rightarrow W < N \Rightarrow I \text{ True } \rightarrow$ |
| 111. | (u)   | Conclusions:  | 133. (b) R*D−R≤D   |
|      |       | Concrusions:<br>I. $G \le E$ : Not True   | D\$J-D≥J   |
|      |       | II. $J \ge F$ : Not True  | J#M-J< M   |
| 112. | (e)   | $K \le L < M > N \ge O$   | M @ K - M > K  |
|      | (-)   | $K \leq L \leq M \leq T$  | $R \le D \ge J < M > K$  |
|      |       | $P \ge M > N \ge O$   | Conclusion I: $K \# J \Rightarrow K < M \Rightarrow True$                        |
|      |       |   | Conclusion II : D @ $M \Rightarrow D > M \Rightarrow$ False                      |
|      |       |   |  |

|        |            | Conclusion III : $R \# M \Rightarrow R < M \Rightarrow False$ |           | Conclusions:  |
|--------|------------|---|-----------|---|
|        |            | Conclusion IV : D @ $K \Rightarrow D > K \Rightarrow False$   |           | I. $J < G$ : True   |
| 134. ( | (e)        | 135. (c) 136. (d) 137. (c) 138. (a)                           |           | II. $F < H$ : Not True  |
| 139. ( | (b)        | 140. (e) 141. (a) 142. (d) 143. (a)                           |           | So only conclusion I follows.   |
| 144. ( | (b)        |   | 159. (b)  | V>W <x<y< td=""></x<y<>   |
| 145. ( |            | Here, $Q < R < M \le D$ or $D \ge M > R > Q$                  |           | V>W <x<z< td=""></x<z<>   |
|        | ` '        | Now, I. $D \otimes R \Rightarrow D > R$ (True)                |           | Conclusions:  |
|        |            | II. $D @ Q \Rightarrow D > Q$ (True)                          |           | I. $Z > V$ : Not True   |
| 1/6    | (a)        | •                       |           | II. $Y > W$ : True  |
| 146. ( | (a)        | Here, $M < K > R > P$   |           | So only conclusion II is true.  |
|        |            | Now, I. $P @ K \Rightarrow P < K$ (True)                      | 160. (a)  | M > N > P   |
|        |            | II. $P @ M \Rightarrow P < M$ (False)                         |           | O > D   |
| 147. ( | (e)        | Here, $T > M = P > R$   |           | S < P   |
|        |            | Now, I. R @ T $\Rightarrow$ R < T (True)                      |           | M>N>P <o< td=""></o<>   |
|        |            | II. $T \otimes R \Rightarrow T > R$ (True)                    |           | M>N>P>S   |
| 148. ( | (d)        | Here, $P < Q > K < M$   |           | O>P>S   |
| ·      | ` '        | Now, I $M = Q \Rightarrow M = Q$ (False)                      |           | Conclusions:  |
|        |            | II. $M \otimes Q \Rightarrow M > Q$ (False)                   |           | I. $S < M$ : True II. $O < M$ : Not True  |
| 140    | (h)        | * * /   | 161. (a)  | 162. (e) 163. (c) 164. (a) 165. (d)   |
| 149. ( | (U)        | Here, $P \ge F > N$ , $M < F$                                 | 166. (d)  |   |
|        |            | Now, I. $M \odot P \Rightarrow M > P$ (False)                 | 167. (a)  | Statements $W \ge D < M < P < A = F$  |
|        |            | II. $N @ P \Rightarrow N < P$ (True)                          | ( )       | Conclusions   |
| 150. ( | ` '        | $P = A < R < M \Rightarrow P < M$                             |           | I. $F > D \rightarrow It$ follows.  |
| 151. ( | (d)        | $A \ge B \le C < D > F$                                       |           | II. $P < W \rightarrow It$ does not follow.   |
|        |            | Conclusions   |           | So, only conclusion I follows.  |
|        |            | I. $F > B$ : Not True   | 168. (d)  |   |
|        |            | II. $A > D$ : Not True  | 100. (u)  | Conclusions   |
| 152. ( | (e)        | $P > X > Y = Q \ge Z$   |           |   |
|        |            | Conclusions   |           | I. $H > B \rightarrow It$ does not follow.  |
|        |            | I. $Z < P$ : True II. $P > Q$ : True                          |           | II. $F < S \rightarrow It$ does not follow.   |
| 153. ( | (b)        | $L \ge I; H > I \ge J > K$                                    | 160 (1)   | Neither Conclusion I nor II follows.  |
|        |            | Conclusions   | 169. (b)  | •   |
|        |            | I. H>L: Not True  |           | Conclusions   |
|        |            | II. $L>K$ : True  |           | I. $Q \ge F \Rightarrow$ It does not follow because $Q > F$ only.                           |
| 154. ( | (b)        | $O \ge P = Q > R : O \ge P = Q > S$                           |           | II. $T > F \Rightarrow It follows$ .  |
|        |            | Conclusions   |           | Only Conclusion II follows.   |
|        |            | I. $R < S$ : Not True   | 170. (b)  | Statements $S = R \ge Q, P < Q$   |
|        |            | II. $O > S$ : True  |           | $\therefore S = R \ge Q > P$  |
| 155. ( | (b)        | $D \ge E = H > F = G$   |           | Conclusions   |
|        |            | $D \ge E = H < J$   |           | I. $S \ge P \Longrightarrow \text{It does not follow because } S \ge Q \text{ and } Q > P.$ |
|        |            | Conclusions   |           | II. $R > P \Rightarrow It follows$ .  |
|        |            | I. J>D: Not True  |           | Only conclusion II follows.   |
|        |            | II. $G < J$ : True  | 171. (b)  | ·   |
| 156. ( | (a)        | $B>J\geq R>Z$   | (-)       | Conclusions   |
|        |            | $B > J \ge R > F < W$   |           | I. $S > F \Rightarrow \text{It does not follow}$ .  |
|        |            | Conclusions   |           | II. $Y > T \Rightarrow \text{It follows}$ .   |
|        |            | I. J>F:True   |           | Only conclusion II follows.   |
| 1.57   | <i>(</i> ) | II. B>W: Not True   | Sol. (172 | ·   |
| 157. ( | (c)        |   | •         | B → A < B   |
|        |            | Conclusions:  |           |   |
|        |            | I. I < E : True   Either                                      |           | $(B \rightarrow A > B)$   |
|        |            |   |           | $6 B \rightarrow A = B$   |
|        |            | I is either smaller than or equal to E. Therefore, either     | A\$       | $B \rightarrow A \ge B$   |
| 150    | (a)        | conclusion I or II follows.                                   | A(a)      | $ \mathfrak{g} \to A \leq B $   |
| 158. ( | (a)        | G>H <t<br>I&gt;F</t<br>                                       | 172. (d)  | Z#F, $R@F$ , $D@R$  |
|        |            | 1>F<br>H>J  | . ,       | $Z < F$ , $R \le F$ , $D > R$   |
|        |            | H>J<br>G>H>J  | L         | Z < R(x)  |
|        |            | J <h<t< td=""><td>11.</td><td>D&gt;Z(x)</td></h<t<>           | 11.       | D>Z(x)  |
|        |            | J > 11 > 1  |           |   |

|      |            | Combining the given expressions,  | 1/8. | (e)         | Both conclusion 1 and 2 follow.  |
|------|------------|---|------|-------------|--|
|      |            | $D > R \le F > Z$   |      |             | A > B = C < = D = E (clearly A is greater than C and E is                                    |
|      |            |   |      |             | greater than or equal to B)  |
| 1770 | 4.         | so, neither I nor II is true.   | 170  | (d)         | Neither conclusion 1 nor 2 follows.  |
| 1/3. | (b)        | R @ D, 	 D © W, 	 B @ W<br>$R \le D, 	 D > W, 	 B \le W$                                | 17). | (u)         |  |
|      |            |   |      |             | A=B>=C<=D <e< math=""> (clearly E is not equal to A and C</e<>                               |
|      | I.         | W < R,  |      |             | is not greater than A)   |
|      | П.         | D>B   | 180. | (b)         | Only conclusion 2 follows  |
|      |            | Combining given expressions,  |      | ` '         | A > = B > = C = D < E (no relation can be made between                                       |
|      |            | $R \le D > W \ge B$   |      |             | A and E and clearly E is greater than C)   |
|      |            |   | 101  | (.)         |  |
|      |            | can't compare R and W   | 181. | (a)         | Only conclusion 1 follows  |
|      |            | Thus, I doesn't follow.   |      |             | A > E < C > B = D (clearly $C > D$ and No relation between                                   |
|      |            | $R \le D > W \ge B$   |      |             | B and A can be made)   |
|      |            | $K \leq D \geq W \geq D$  | 182. | (c)         | 183. (b) 184. (d) 185. (b) 186. (e)  |
|      |            | Again, combining  | 187. | (d)         | 188. (a) 189. (b) 190. (e) 191. (b)  |
|      |            | $R \le D > B$   | 192. |             | 193. (e) 194. (d) 195. (d) 196. (b)  |
|      |            | Thus, B < D and II follows.   |      |             | P > Q = R < T < S (Both expression true)   |
| 174. | (h)        | M©R, R%D, D@N   | 198. |             |  |
| 1/4. | (0)        | $M \ni R$ , $R \neq D$ , $D \subseteq N$  | 190. | (6)         | A=B>C=D <e=f< math=""> and <math>A=B&gt;C&lt;=D<e=f< math=""> (F&gt;C</e=f<></math></e=f<>   |
|      | т          |   | 100  | <i>(</i> )  | true in both cases)  |
|      | I.         | M>N   | 199. | (a)         | $T \le R \le Q > P = S$ (clearly Q>S and no relation between                                 |
|      | II.        | N≥R   |      |             | Q and T)   |
|      |            | Combining all the given expressions,  | 200. | (c)         | $A > N \le K > M \le R$ (no relation between M and N and                                     |
|      |            | $M > R = D \le N$   |      |             | R and A)   |
|      |            | combining   | 201. | (e)         | A = B > C > D < E and $A = B > C > = D < E$ in both cases B                                  |
|      |            | comonning   |      | ( )         | will be greater than D   |
|      |            | $M > R \leq N$  | 202. | (a)         | A <b>C=D&gt;=E (clearly B is greater than E and no</b>                                       |
|      |            | comparison is not possible  | 202. | (4)         | relation between A and E)  |
|      |            |   | 202  | (a)         |  |
| 100  | <i>(</i> ) | Thus only II follows.   | 203. | (6)         | A>B=C<=D=E (clearly A is greater than C and E is   |
| 175. | (e)        | H\$V, V%M, K©M  | 20.4 | <i>(</i> 1) | greater than or equal to B)  |
|      |            | $H \ge V$ , $V = M$ , $K > M$   | 204. | (a)         | A=B>=C<=D <e (clearly="" a="" and="" c="" e="" equal="" is="" is<="" not="" td="" to=""></e> |
|      | I.         | K>V   |      |             | not greater than A)  |
|      | II.        | $M \le H$   | 205. | (b)         | A>=B>=C=D <e< math=""> (no relation can be made between A</e<>                               |
|      |            | Combining all the given expressions,  |      |             | and E and clearly E is greater than C)   |
|      |            | $H \ge V = M < K$   | 206. | (a)         | A>E <c>B=D (clearly C &gt;D and No relation between B</c>                                    |
|      |            | combining   |      |             | and A can be made)   |
|      |            | 5   | 207. | (c)         | $X \le W < Z = Y$  |
|      |            | H≥V <k< td=""><td></td><td>` ′</td><td><math>Y &gt; W \Rightarrow true</math></td></k<> |      | ` ′         | $Y > W \Rightarrow true$   |
|      |            | Thus, I follows.  |      |             | Z>W=>true  |
|      |            | $H \ge V = M < K$   |      |             | $X \ge Y \Longrightarrow \text{false}$   |
|      |            | Again, combining  | 200  | (a)         |  |
|      |            | -   | 208. | (e)         | $D > E \ge C < A$  |
|      |            | $H \ge M < K$   |      |             | $C \le D \Rightarrow False$  |
|      |            | Thus, II follows  |      |             | $A > E \Rightarrow false$  |
| 176. | (d)        | K # T, $T $ B$ , $B @ F$  |      |             | $A > D \Rightarrow false$  |
|      |            | $K < T$ , $T \ge B$ , $B \le F$   | 209. | (d)         | $M < O = P \ge N$  |
|      | I.         | $F \ge T$   |      | ` /         | P > M = false  |
|      | II.        | K <b< td=""><td></td><td></td><td>N<o7< td=""></o7<></td></b<>                          |      |             | N <o7< td=""></o7<>  |
|      |            | Combining all the given expressions,  |      |             | $ \begin{bmatrix} N < O \\ N = O \end{bmatrix} $ Either                                      |
|      |            |   | 210  | (-)         | •  |
|      |            | $K < T \ge B \le F$   | 210. | (c)         | $A \ge C > B = E, E < C \Rightarrow \text{true}$   |
|      |            |   |      |             | $B < A \Rightarrow true, A \ge E \Rightarrow false$  |
|      |            | can't compare T and F   | 211. | (b)         | $P \ge S > R \le Q$  |
|      |            | can techniquie i and i  |      |             | $Q>S \Rightarrow false$  |
|      |            | Again, $K < T \ge B \le F$  |      |             | $R < P \Rightarrow true$   |
|      |            |   |      |             | $R = P \Rightarrow false$  |
|      |            | can't compare K and B   | Sol  | (212.       | -214):   |
|      |            | Therefore, neither I nor II follows.  |      |             | Either I. $Y < N$ or II. $Y = N$   |
| 177. | (a)        | Only conclusion 1 follows   |      |             |  |
|      |            | A < B > C = D > = E (clearly B is greater than E and no                                 |      |             | J>L is true.   |
|      |            | relation between A and E  | 214. | (e)         | None is true.  |
|      |            | 1 VIGITOR DOCTOON 1 1 GREAT   |      |             |  |

178. (e) Both conclusion 1 and 2 follow.

Combining the given expressions,

```
II. X < W (True)
                                                                                II. I < Z (True)
                                                                     229. (e)
                                                                               I. S > E (True)
          So, Both conclusion I and II follow.
                                                                                II. L < S (True)
216. (a) I. H > I (True)
                                                                     230. (c) I.A > M
          II. E > I (False)
                                                                                II.A = M
          So, Only conclusion I follows.
                                                                                So, either I or II is true.
217. (a) I. C < A (True)
                                                                     231. (d) I. P > N (False)
          II. B > D (False)
                                                                                II. G \ge Y (false)
          Only conclusion I follows.
                                                                                So, neither I nor II is true.
218. (c) I. K < P or
                                                                     232. (c)
                                                                               J = K \le L
          II.K = P
                                                                                I. L > J^{-}
          Either conclusion I or II follows.
                                                                                          Either
                                                                                II. L = J_{\perp}
219. (b) I. K \leq G (False)
                                                                     233. (e) I > J = K
           II. K > D (True)
                                                                                I. I > K (true)
           So, Only conclusion II follows.
                                                                                O > K = J
220. (d) V \le W < R \ge N = S \ge M
                                                                                II. Q > J (true)
           Check for I. V \le W < R \ge N = S \ge M
                                                                     234. (d) A = M > P, N > R, A > T
                                                                                I. T = P (false) There is no relation between T and P.
                                                                                For conclusion II -
                        combining
                                                                                A = M > P, N > R
           So, option I is not true for the given conditions.
                                                                                II. R < A (false) - there is no relation between R and A.
           Check for II. V \le W < R \ge N = S \ge M
                                                                                Hence, neither conclusion I nor II follows.
                                                                     235. (b) X = M < A < S = T < R
                               combining
                                                                                Conclusions:
           So, option II is also not true alone.
                                                                                For conclusion I h: M < A < S = T
           Option III is also not true alone.
                                                                                I. M = T (false)
                                                                                For conclusion II:
           Option (IV). V \le W < R \ge N = S \ge M
                                                                                A < S = T < R II. R > A (True) - R is greater than A.
                                                                                Hence, only conclusion II follow.
                              combining
                                                                     236. (a) Y > A < N, Y = B < P
           So, either R > N' or R = N' holds true.
                                                                                P > B = Y > A < N
221. (b) V \ge W \ge T \le U = S \ge R > M > X
                                                                                For conclusion I:
          From option (I)
                                                                                P > B = Y > A
           V \ge W \ge T \le U = S \ge R > M > X
                                                                               P>Y>A
                                                                                I. P > A (True) P is greater than A is true.
            combining
                                                                                For conclusion II:
           So, V \ge T holds true.
                                                                                B = Y > A < N
           V \ge W \ge T \le U = S \ge R > M > X
                                                                                II. N > B (false) There is no relation between N and B.
                                                                                Hence, only conclusion I follow.
             Comparison is not possible
                                                                     Sol. (237-241):
           So, W \ge U is not definitely true in this expression.
                                                                     237. (e) I. A > E (True)
                                                                                                      II. F < B (True)
Sol. (222-226):
                                                                     238. (e) I. L > S (True)
                                                                                                      II. N \ge P
                                                                                                                  (True)
222. (c) N = P \le F \ge L = K
                                                                     239. (c) I. F > D (False)
                                                                                                      II. D \ge F
                                                                                                                  (False)
          I. Not follow
                                    II. Not follow
                                                                     240. (d) I. P < S (False)
                                                                                                      II. Q \leq T
                                                                                                                  (False)
          But Either (I) or (II) is true
223. (e) J \ge C \ge G \ge Q = Z \ge R
                                                                     241. (b) I. L > P (False)
                                                                                                                  (True)
                                                                                                      II. L > Q
          I. Follow
                                    П.
                                        Follow
                                                                     242. (c) I. O < R (false)
                                                                                                      II. P > Q
                                                                                                                  (false)
224. (d) A > B > C < D > E > F
                                                                     243. (b) I. F < M (True)
                                                                                                      II. R > P
                                                                                                                  (false)
          I. Not follow
                                    II. Not follow
                                                                     244. (c) I. O \ge Q (false)
                                                                                                      II. J > Q
                                                                                                                   (false)
225. (e) L > K > M \ge N > O
                                                                     245. (d) I. T \ge L (True)
                                                                                                      II. G > F
                                                                                                                  (True)
          I. Follow
                                    Π.
                                        Follow
226. (e) E < F \le G = H > S
                                                                     246. (d) I. J < B (True)
                                                                                                      II. H < R (false)
          Conclusion I: G > S: True
                                                                     247. (d)
                                                                                248. (c)
          Conclusion II: F \le H: True
                                                                     Sol. (249-253):
Sol. (227-231):
                                                                     249. (e) M < N < O < P < R < S
227. (e) I. E > P (True)
                                                                                I. 0 \le S
                                                                                                                   (True)
          II. R < L (True)
                                                                               II. M < R
                                                                                                                   (True)
```

228. (b) I. K > N (False)

215. (e) I. R > X (True)

| 250. | (b)         | _ , ,   | (False)                      |          |     | Conclusion: II. $G \le B = \frac{1}{2}$  |                                   | $0 \ge S > T$          |
|------|-------------|---|------------------------------|----------|-----|--|-----------------------------------|------------------------|
| 251. | (d)         | $N \ge M \ge T = L \implies N = L$  | (True)<br>(False)<br>(False) | 268.     | (a) | G > T (F<br>So, neither conclusion I<br>$J \ge O = T \ge E > K \ge G > I$              | nor II fol                        | llows.                 |
| 252. | (a)         | $E \ge D = C \ge F = G \Rightarrow G \le E$   | (True)                       |          |     | Conclusion: I. $O = T \ge 1$<br>G < O(T)   |                                   |                        |
| 253  | (b)         |   | (False)<br>(False)           |          |     | Conclusion: II. $J \ge O = 1$  | Γ≥É> <b>K</b>                     |                        |
| 200. | (0)         |   | (True)                       |          |     | $J \ge K$ (Fa<br>So, only conclusion I fo  |                                   |                        |
|      |             | 1-255):   |                              | Sol.     | (26 | 9-270):  | nows.                             |                        |
| 254. | (d)         | Only I and II follow $R > Y (Y < N \le K < R)$ TRUE   |                              |          |     | None follows   |                                   |                        |
|      |             | $Q \ge D(D \le N \le K < Q)$ TRUE   |                              |          |     | $X < C = N \le Q$ gives only   |                                   |                        |
| 255  | <i>(</i> 1) | $S > Y (Y < N \le K > S)$ FALSE   |                              |          |     | $X < C = N \le Q > A$ So rel determined.   | ation betv                        | veen A and A cam be    |
| 255. | (d)         | Only I and II follow $S < D(S > m > W \le V < D)$   | FALSE                        |          |     | $K \ge X < C = N \text{ so } N < K$  |                                   |                        |
|      |             |   | FALSE                        | 270.     | (d) | Only I either II or III foll   |                                   |                        |
|      |             | $D > W(W \le V < D)$  | TRUE                         |          |     | $W < U \le A = T \text{ so } T > W$<br>$A = T \ge V \ge S \text{ so } A = S \text{ a}$ |                                   | is a complementary     |
|      |             | 5-258):   |                              |          |     | pairs so, either II and III  |                                   | is a comprementary     |
| 250. | (e)         | I. T < Q (True) II. V > T (True)  |                              | Sol.     | (27 | 1-274):  |                                   |                        |
| 257. | (a)         | I. B>A(True)  |                              | 271.     | (a) | $Q < R \le M = L > W \le V$  | > Z                               |                        |
| 250  | (h)         | II. G < C (False)   |                              |          | I.  | $Q < R \le M = L$  | L>Q                               | (True)                 |
| 258. | (0)         | I. H≤E (False) II. C <a(true)< td=""><td></td><td></td><td></td><td>-</td><td>-</td><td>· · · ·</td></a(true)<> |                              |          |     | -  | -                                 | · · · ·                |
| 259. | (b)         | I. U % X (False)  |                              | 272      | II. | $R \le M = L > W$  | W / K                             | (False)                |
| 260  | (I-)        | II. X ® Z (True)  |                              | 272.     | (b) | $P \ge Q > D = F < R \le S$  |                                   |                        |
| 200. | (b)         | I. A × D (False) II. D ® B (True)   |                              |          | I.  | Q > D = F < R  | Q>R                               | (False)                |
| 261. | (a)         | I. O ® M (True)   |                              |          | II. | $D = F < R \le S$  | D < S                             | (True)                 |
| 262  | (a)         | II. $S \times N$ (False)  |                              | 273.     | (c) | $A = E \ge H \ge C < S \le B$  |                                   |                        |
| 262. | (a)         | I. B ® G (True) II. G @ B (False)   |                              |          | I.  | $A = E \ge H \ge C$  | (C <a)< td=""><td></td></a)<>     |                        |
| 263. | (a)         | I. P® M (True)  |                              |          |     | eitl   | her concl                         | usion I or II follows. |
| 264. | (c)         | II. $J \times K$ (False)<br>$D \le L = F \le R \le M = P \ge T$   |                              |          | П   | $A = E \ge H \ge C$  | (A=C)                             |                        |
| 204. | (0)         | Conclusion: I: $D \le L = F \le R \le R$  | M = P                        | 274      |     | $Y \ge N = O > P \le R > T$  | (11 0)                            |                        |
|      |             | P = D (False)   |                              | 2/4.     | ` ′ |  | D «W                              | (T-1)                  |
|      |             | II. D < P (False) But it is a complimentary pair so, 6  | either conclusion I          |          | I.  | $Y \ge N = O > P \le R$  | R <y< td=""><td>(False)</td></y<> | (False)                |
|      |             | or II follows.  | Stiller Collectusion 1       | <b>.</b> | II. | $N = O > P \le R$  | N < R                             | (False)                |
| 265. | (a)         | $X > B = S \ge K < I \le M \le C$   |                              |          |     | <b>5-277):</b><br>G=F≤C=D≤E  |                                   |                        |
|      |             | Conclusion: I. $X>B=S\geq K$  |                              | 215.     | (u) | I. G≤E   | Γ)                                | True)                  |
|      |             | K < X  (True)<br>Conclusion: II. $B = S \ge K < I$  |                              |          |     | $A > B \le C \ge F = G >$  |                                   | - 4                    |
|      |             | B > I (False)   |                              | 276      | (d) | II. $A>H$<br>$V=U\leq T>S$   | (1                                | False)                 |
| 266  | (-)         | So, only conclusion I follows.  |                              | 270.     | (u) | I. V>S   | (F                                | False)                 |
| 266. | (a)         | $E < O \le K = S > A \ge P \ge T$<br>Conclusion: I. $K = S > A \ge P \ge T$                                     |                              |          |     | $B < V = U \le T \le H$  | ,                                 | ·                      |
|      |             | T < K (True)  |                              | 277      | (h) | II. B≤H<br>O>Y>T≤G   | (F                                | False)                 |
|      |             | Conclusion: II. $E < O \le K = S > A$   |                              | 211.     | (0) | I. G>Y   | (F                                | False)                 |
|      |             | E < A (False)<br>So, only conclusion I follows.   |                              |          |     | $Q>T>R\geq A$  | (-                                | ,                      |
| 267. | (d)         | $G \le B = H \le C = D \ge S > T$   |                              |          |     | II. $A < Q$  | Γ)                                | True)                  |
|      |             | Conclusion: I. $B = H \le C = D \ge S$  |                              |          |     |  |                                   |                        |
|      |             | $S \ge B$ (False)   |                              |          |     |  |                                   |                        |