

Instructions

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

'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 ^ 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, III and IV given below them is/are definitely true and give your answer accordingly.

1. Statements: H @ T, T # F, F ^ E, 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
(c) Only II, III and IV are true
(d) Only I, III and IV are true
(e) All I, II, III and IV are true

2. 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

(b) Only II, III and IV are true

(c) Only I, III and IV are true

(d) All I, II, III and IV are true

(e) None of these

3. Statements: N ^ B, B \$ W, W # H, H * M

Conclusions :

I. M @ W

II. H @ N

III. W ^ N

IV. W# N

(a) Only I is true

(b) Only III is true

(c) Only IV is true

(d) Only either III or IV is true

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

4. Statements: R * D, D \$ J, J # M, M @ K

Conclusions:

I. K # J

II. D @ M

III. R # M

IV. 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 * R, R # W

Conclusions:

I. W @ K

II. M \$ R

III. K @ W

IV. M @ N

- (a) Only I and II are true
 (b) Only I, II and III are true
 (c) Only III and IV are true
 (d) Only II, III and IV are true
 (e) None of these
6. Which of the following expressions will be true if the expression $R > O = A > S < T$ is definitely true?
 (a) $O > T$ (b) $S < R$
 (c) $T > A$ (d) $S = O$
 (e) $T < R$
7. Which of the following symbols should replace the question mark (?) in the given expression in order to make the expressions $P > A$ as well as $T \leq L$ definitely true? $P > L ? A \geq N = T$
 (a) \leq (b) $>$
 (c) $<$ (d) \geq
 (e) Either \leq or $<$
8. 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 makes the expressions $B > N$ as well as $D \leq L$ definitely true? $B _ L _ O _ N _ D$
 (a) $=, =, \geq, \geq$
 (b) $>, \geq, =, >$
 (c) $>, <, =, \leq$
 (d) $>, =, =, \geq$
 (e) $>, =, \geq, >$
9. Which of the following 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 makes the expression $A < P$ definitely false? $_ \leq _ < _ >$

- (a) L, N, P, A
 (b) L, A, P, N
 (c) A, L, P, N
 (d) N, A, P, L
 (e) P, N, A, L
10. 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 makes the expression $F > N$ and $U > D$ definitely false? $F _ O _ U _ N _ D$
 (a) $<, <, >, =$ (b) $<, =, =, >$
 (c) $<, =, =, <$ (d) $\geq, =, =, \geq$
 (e) $>, >, =, <$

Instructions:

Directions for questions : Read each statement carefully and answer the following questions:

11. Which of the following expressions will be true if the expression $R > O = A > S < T$ is definitely true?
 (a) $O > T$
 (b) $S < R$
 (c) $T > A$
 (d) $S = O$
 (e) $T < R$
12. Which of the following symbols should replace the question mark (?) in the given expression in order to

make the expression 'P > A' as well as 'T ≤ L' definitely true?

P > L ? A ≥ N = T

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

13. 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 such a manner that makes the expressions 'B > N' as

well as 'D L' definitely true?

B _ L _ O _ N _ D

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

14. Which of the following letters 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 makes the expression 'A < P' definitely false?

__ < __ < __ > __

- (a) L, N, P, A
- (b) L, A, P, N
- (c) A, L, P, N
- (d) N, A, P, L
- (e) P, N, A, L

15. 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 makes the expressions 'F > N' and 'U > D' definitely false?

F _ O _ U _ N _ D

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

Instructions

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

P © Q means P is not greater than Q.

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

P @ Q means P is neither greater than nor smaller then Q

P € Q means P is neither smaller than or equal to Q

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

Now in each of the following questions assuming the given statements to be true, find which of the conclusions given below them are definitely true?

16. Statements

A # N, S \$ N, S € W, W © R

Conclusions

I. R \$ A

II. S € R

III. S € A

IV. W © A

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

17. Statements

D # E, E © T, T @ C, C # A

Conclusions

I. D # A

II. C © D

III. A € E

IV. T # A

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

18. Statements

O \$ B, B @ S, S # E, E © R

Conclusions

I. S © O

II. R € S

III. B # R

IV. B # E

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

19. Statements

D © S, S € P, P \$ I, P @ T

I. P # D

II. P \$ T

III. T \$ S

IV. I © D

- (a) Only I and III are true
(b) Only I, III and IV are true
(c) Only III and IV are true
(d) Only II, III and IV are true
(e) None of the above

20. Statements U @ N, N \$ F, F \$ A, A € R

Conclusions

I. A @ U

II. N € R

III. R © U

IV. U € A

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