Quiz Date: $17^{\text {th }}$ March 2020

## Directions (1-5): In the following questions, the symbols $¥, \#, \circledR, \Omega$ and $\mathbb{C}$ are used

 with thefollowing meaning as illustrated below-
' $\mathrm{P} \# \mathrm{Q}$ ' means ' P is neither greater than nor equal to Q '
' $P$ © $Q$ ' means ' $P$ is neither equal to nor smaller than $Q$ '
' $P ® Q$ ' means ' $P$ is neither smaller than nor greater than $Q$ '
' $P \Omega Q$ ' means ' $P$ is not smaller than $Q$ '
' $\mathrm{P} \neq \mathrm{Q}$ ' means ' P is not greater than Q '
Now in each of the following questions assuming the given statement to be true, find which of the three conclusions I, II and III given below them is/are definitely true and give your answer accordingly.

Q1. Statements: W © S $¥ C \circledR$ © $\Omega M$

## Conclusions:

I. W © C
II. U $\Omega$ W
III. S © M
(a) None is true
(b) Only I is true
(c) Only III is true
(d) Either I or II is true
(e) All are true

Q2. Statements: A $\Omega \mathrm{B}, \mathrm{B}$ ® $\mathrm{W}, \mathrm{K}$ © W

## Conclusions:

I. K © B
II. W $¥ \mathrm{~A}$

III. A © K
(a) Only I and III are true
(b) Only II and III are true
(c) Only I and II are true
(d) All are true
(e) None of these

Q3. Statements: U $\Omega$ W, W © C, C ¥ A, Y © C

## Conclusions:

I. U © Y
II. C \# U
III.Y © U
(a) None is true
(b) Only II is true
(c) Only I and II are true
(d) Only II and III are true
(e) All are true

Q4. Statements: W © S $¥ C ® \in \Omega N$
Conclusions:
I. N \# C
II. U \# W
III. S ® N
(a) None follows
(b) Only I is true
(c) Only III is true
(d) Either I or II is true
(e) All are true

Q5. Statements: U $\Omega$ W, W © C, C ¥ A, Y © C

## Conclusions:

I. U © C
II. C \# A
III.U ® A
(a) Only I is true
(b) Only II is true
(c) Only I and II are true
(d) Only II and III are true
(e) All are true

Directions (6-10): In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer

Q6. Statements: $\mathrm{P}>\mathrm{X}>\mathrm{U} \geq \mathrm{Q} \leq \mathrm{S}, \mathrm{W}<\mathrm{P} \leq \mathrm{L} \geq \mathrm{J} \geq \mathrm{K}$
Conclusions: I. W $<\mathrm{U} \quad$ II. $\mathrm{X}>\mathrm{L}$
(a) If only conclusion II is true.
(b) If only conclusion I is true.
(c) 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.

Q7. Statements: $\mathrm{M}>\mathrm{R} \geq \mathrm{W} \leq \mathrm{K} \geq \mathrm{C}, \mathrm{P}>\mathrm{R}>\mathrm{V}, \mathrm{K}=\mathrm{L}<\mathrm{V} \leq \mathrm{J}$
Conclusions: I. P > W $\quad$ II. $\mathrm{C} \geq \mathrm{R}$
(a) If neither conclusion I nor II is true.
(b) If only conclusion I is true.
(c) If only conclusion II is true.
(d) If either conclusion I or II is true.
(e) If both conclusions I and II are true.

Q8. Statements: $\mathrm{H}=\mathrm{G} \leq \mathrm{F} \geq \mathrm{K}, \mathrm{W}>\mathrm{F}<\mathrm{B}, \mathrm{D} \geq \mathrm{V}=\mathrm{W} \leq \mathrm{S}$
Conclusions: I. S > G II. S $<$ G
(a) If only conclusion II is true.
(b) If either conclusion I or II is true.
(c) If neither conclusion I nor II is true.
(d) If only conclusion I is true.
(e) If both conclusions I and II are true.

Q9. Statements: $\mathrm{K} \geq \mathrm{F}=\mathrm{G} \geq \mathrm{P} \leq \mathrm{U} \leq \mathrm{M}=\mathrm{C}$
Conclusions: I. $\mathrm{K}>\mathrm{P} \quad$ II. $\mathrm{K}=\mathrm{P}$
(a) If only conclusion II is true.
(b) If both conclusions I and II are true.
(c) If neither conclusion I nor II is true.
(d) If either conclusion I or II is true.
(e) If only conclusion I is true.

Q10. Statements: $\mathrm{U}>\mathrm{H} \geq \mathrm{Y} \geq \mathrm{C}=\mathrm{T}, \mathrm{I}>\mathrm{F}=\mathrm{O} \geq \mathrm{Y}$
Conclusions: I. I > C $\quad$ II. C $<\mathrm{U}$
(a) If only conclusion II is true.
(b) If only conclusion I 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.


Directions (11-15): In the following questions, the symbols $\%, \&, \#, *$ and @ are used with the following meaning as illustrated below-
'P\#Q' means ' $P$ is neither greater than nor equal to $Q$ '
' $P^{*} Q^{\prime}$ means ' $P$ is neither equal to nor smaller than $Q$ '
' $P \% Q$ ' means ' $P$ is neither smaller than nor greater than $Q$ '
'P@Q' means ' P is not smaller than Q '
' $P \& Q$ ' means ' $P$ is not greater than $Q$ '
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.

Q11. Statements: K * M @ J \# L; M * Q \% N @ C

## Conclusions:

I. K * C
II. L @ N
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Q12. Statements: G \& J \& N \% K * F @ C * P \% U

## Conclusions:

I. $\mathrm{K}^{*} \mathrm{G}$
II. K \% G
(a) None is true
(b) Both are true
(c) Only II is true
(d) Either I or II is true
(e) Only I is true

Q13. Statements: P @ Q \# R \% S \& N; L * N \% C \& K

## Conclusions:

I. $K^{*} Q$
II. S * P
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true


Q14. Statements: T \& Q \% S \% L * G * P \# H Conclusions:
I. T \# G
II. $\mathrm{H}^{*} \mathrm{Q}$
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Q15. Statements: D @ B \& C * K \# P; D * L * N \% T

## Conclusions:

I. T \# B
II. C * T
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

## SOLUTIONS

Solutions (1-5):
S1. Ans.(d)
Sol. I. W > C (false) II. U $\geq \mathrm{W}$ (false) III.S > M (false)
S2. Ans.(c)
Sol. I. K > B (true) II. W $\leq$ A (true) III. A > K(false)
S3. Ans.(b)
Sol. I. U > Y(false) II. C < U (true) III.Y > U(false)
S4. Ans.(a)
Sol. I. N < C (false) II. U < W (false) III. S = N (false)
S5. Ans.(a)
Sol. I. U > C (true) II. C < A (false) III.U = A (false)

Solutions (6-10):
S6. Ans. (c)
Sol. I. W < U (False) II. X > L (False)
S7. Ans. (b)
Sol. I. P > W (True) II. C $\geq$ R (False)
S8. Ans. (d)
Sol. I. S > G (True) II. S < G (False)
S9. And. (d)
Sol. I. K > P (False) II. K = P (False)
S10. Ans. (e)
Sol. I. I > C (True) II. C < U (True)

## Solutions (11-15):

S11. Ans. (b)
Sol. I. K > C (True) II. L $\geq \mathrm{N}$ (False)

S12. Ans. (d)
Sol. I. K > G (False) II. K = G (False)
S13. Ans. (b)
Sol. I. K > Q (True) II. S > P (False)
S14. Ans. (a)
Sol. I. T < G (False) II. H > Q (False)
S15. Ans. (a)
Sol. I. T < B (False) II. C > T (False)


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