CODED INEQUALITIES

SET - 01

1. **Statements: A ≥ B; C > G; A ≥ H; B ≥ C; I = B**
   Conclusions:
   I. C > H
   II. H > B
   III. B > G
   IV. I > A
   A. Only I is true
   B. Only II is true
   C. Either I or II true
   D. Neither I nor II is true
   E. Only III is true
   Answer – **E. Only III is true**

2. **Statements: A=B; C≤F; G>C; B<F**
   Conclusions:
   I. F < B
   II. F > G
   III. A > G
   IV. A > C
   A. Only II is true
   B. None is true
   C. Only I and II are true
   D. Only II and III are true
   E. Only IV is true
   Answer – **B. None is true**

3. **Statements: A≤H, G≥H; G>M; O≤M**
   Conclusions:
   I. G≥A
   II. G≥O
   III. H>M
   IV. H≤G
   A. Only I, II and III are true
   B. Only II is true
   C. Only IV is true
   D. Only I and IV are true
   E. None is true
   Answer – **D. Only I and IV are true**

4. **Statement : P ≥ Q > R < S ≤ T**
   Conclusion:
   I. T > R
   II. T > Q
   III. R < P
   IV. Q > P
   A. Only I is true
   B. Only II is true
   C. Only I and III are true
   D. Only I and IV are true
   E. All I, II, III and IV are true
   Answer – **C. Only I and III are true**

5. **Statement : P < Q ≥ R > S ≤ T**
   Conclusion:
   I. T ≥ R
   II. P < R
   III. Q > S
   IV. S < P
   A. Only I is true
   B. Only III is true
   C. Only II is true
   D. Only IV is true
   E. Both I and II are true
   Answer – **B. Only III is true**

6. **Statements: M<N≤O=P; N = Q**
   Conclusions:
   i. P>M,
   ii. Q≤O
   A. Only I is true
   B. Only II is true
   C. Either I or II true
   D. Neither I nor II is true
   E. Both I and II are true
   Answer – **E. Both I and II are true**

7. **Statements: A>N=I≥W<O≤P; O>S; T<N**
   Conclusions: i. P>S, ii. A<W
   A. Only I is true
   B. Only II is true
   C. Either I or II true
   D. Neither I nor II is true
   E. Both I and II are true
   Answer – **A. Only I is true**

8. **Statements: M≥N≥O>P≤Q≤R**
   Conclusions: i. M>Q, ii. N≤R
   A. Only I is true
   B. Only II is true
   C. Either I or II true
   D. Neither I nor II is true
   E. Both I and II are true
   Answer – **D. Neither I nor II is true**

9. **Statements: M<P≤G = F≥B; H≥F<I; J≥P**
   Conclusions: P≤B, M<H
   A. Only I is true
   B. Only II is true
   C. Either I or II true
   D. Neither I nor II is true
   E. Both I and II are true
   Answer – **B. Only II is true**

10. **Statements: M<P≤G = F≥B; H≥F<I; J≥P**
    Conclusions: H≥J, B<I
    A.Only I is true
    B.Only II is true
    C.Either I or II true
    D.Neither I nor II is true
    E.Both I and II are true

Answer – **B.Only II is true**

SET - 02

Direction(1-5): Study the following information to answer the given questions 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 equal to B A&B means A is neither greater than nor smaller than A*B means A is not greater than B

1. **Statements: O & A, A $ R, R # S, S * Q**
   Conclusions:
   I. Q @ R
   II. S @ O
   III. R & O
   IV. R # O
   A. Only I is true
   B. Only III is true
   C. Only IV is true
   D. Either III or IV is true
   E. Either III or IV and I are true

Answer – **E. Either III or IV and I are true**

2. **Statements: A * E, E $ F, F # O, O @ L**
   Conclusions:
   I. L # F
   II. E @ O
   III. A # O
   IV. E @ L
   A. None is true
   B. Only I is true
   C. Only II is true
   D. Only III is true
   E. Only IV is true

Answer – **A. None is true**

3. **Statements: B @ Q, Q # A, A & L, L * N**
   Conclusions:
   I. N $ A
   II. L @ Q
   III. B @ N
   IV. Q # N
   A. I, II and III are true
   B. I, II and IV are true
   C. I, III and IV are true
   D. I, III and IV are true
   E. All are true

Answer – **B. I, II and IV are true**

4. **Statements: E # M, M * N, N @ O, O $ P**
   Conclusions:
   I. P # M
   II. P # N
   III. M # O
   IV. N @ E
   A. II and III are true
   B. II and IV are true
   C. III and IV are true
   D. I, and IV are true
   E. All are true

Answer – **D. II, and IV are true**

5. **Statements: A $ E, E @ F, F * G, G # H**
   Conclusions:
   I. H @ E
   II. A $ G
   III. E @ H
   IV. A @ F
   A. None is true
   B. Only I is true
   C. Only II is true
   D. Only III is true
   E. Only IV is true

Answer – **E. Only IV is true**

Directions (Q.No – 6-10) In these questions, relationships between different elements is shown in the statements. These statements are followed by two conclusions.
Give Answer
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 or II follow

6. **Statement: B≥E<N<Q<R=S**
   Conclusions:
   I. S>E
   II.Q<B

Answer – **A. If only Conclusion I follows**

7. **Statement: P≥Q>R<E=G>N**
   Conclusions:
   I. P>G
   II. R>N

Answer – **D. If neither Conclusion I nor II follows**

8. **Statement: A>S>P>O=E**
   Conclusions:
   I. P≥E
   II. S>E

Answer – **B. If only Conclusion II follows**

9. **Statement:** A=B≥C, D<C
   Conclusions:
   I. A≥D
   II. B>D

   Answer – **B. If only Conclusion II follows**

10. **Statement:** P≥R<Q=D>E>O
    Conclusions:
    I. P>E
    II. Q>O

    Answer – **B. If only Conclusion II follows**

SET - 03

1. **In which of these expressions 'U > W' be definitely false?**
   A. U>P≥Q=G≥R>W
   B. P<A≤U≤T;W≥O>T
   C. W≤A≤L=R<U
   D. U>C>=F≤H; W<F
   E. U>T=O≥P; W<J=P

   Answer – **B. P<A≤U≤T;W≥O>T**

2. **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 'N≥Q' as well as 'Q≤M' definitely holds true? M _ N _ P _ Q _ R**
   A. >, ≥, <, =
   B. >, >, ≥, <
   C. ≥, ≥, ≤,≤
   D. ≥, =, ≥,<
   E. Other than those given as options

   Answer – **D. ≥, =, ≥,<**

3. **In which of the following expressions does the expression 'D = V' to definitely hold**

   A. K ≥ D ≤ R = P < S ≤ V
   B. U ≥ V ≥ M = F ≤ A ≥ D
   C. D ≥ C > Q ≥ B = N ≤ V
   D. G ≥ D = A < B ≤ S ≤ V
   E. V ≥ E = G ≥ W = Y ≥ D

   Answer – **E. V ≥ E = G ≥ W = Y ≥ D**

4. **Which of the following expressions is true if the expression P < T <= B > S > M >= A is definitely true?**

   A. A ≤ P
   B. S < P
   C. M > P
   D. A < B
   E. T ≤ M

   Answer – **D. A < B**

5. **In which of these expressions 'S > V' and 'V > B' be definitely false?**
   A. S>P≥Q=G≥R>V>B
   B. P<A≤S≤T;V≥O>T<B
   C. B>V≤A≤L=R<S
   D. S>C>=F≤H; B>V<F
   E. S>T=O≥P; B<V<J=P

   Answer – **B. P<A≤S≤T;V≥O>T<B**

6. **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 'B>S' as well as 'E<=F' definitely holds true? B_A_S_E_D_F_G**

   A. >, ≥, <, =, <, <
   B. >, >, ≥, <, >, =
   C. ≥, ≥, ≥, ≤, >, >
   D. >, =, ≥, =, ≤, =
   E. Other than those given as options

   Answer – **D. >, =, ≥, =, ≤, =**

7. **In Which of the following expressions does the expression 'L=T' and "E≥W" to definitely hold true?**

   A. E ≥ W ≤ R = P < S ≤ T
   B. U ≥ T ≥ M = W ≤ E ≥ L
   C. L ≥ C > E ≥ W = N ≤ T
   D. E ≥ W = A < B ≤ S ≤ T
   E. T ≥ E = G ≥ W = Y ≥ L

   Answer – **E. T ≥ E = G ≥ W = Y ≥ L**

8. **Which of the following expressions is true if the expression P<T<=Q>= R ≥ S>M>=W>A = R is definitely true?**

   A. W ≤ P
   B. S < P
   C. M < R
   D. W > Q
   E. T ≤ M

   Answer – **C. M < R**

9. **In which of these expressions 'P > R' and 'P = R' be definitely true?**
   A. S>P≥Q=G≥R>V
   B. P<A≤S≤T<R;V≥O>T
   C. V≤A≤L=R<S=P
   D. P>S>C>=F≤H; V<F<R
   E. S>T=O≥P; V<J=P>R

   Answer – **A. S>P≥Q=G≥R>V**