Directions : (1 – 5) : In these questions, a relationship between different elements is shown in the statements(s). The statements are followed by two conclusions. 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.
(d) if both conclusions I and II are true.

1. **Statements :** $A > B \geq C < D, C = E > G$
   Conclusions :   **I.** $D > E$
                       II. $B > E$
2. **Statements :** $P \leq Q > M \geq N, Q = S$
   Conclusions :   **I.** $S > P$
                       II. $N < S$
3. **Statements :** $S > M = Z > T < Q > V$
   Conclusions :   **I.** $V = S$
                       II. $Q > M$
4. **Statements :** $T < U = V \leq S > P \geq Q$
   Conclusions :   **I.** $S > T$
                       II. $V \geq Q$
5. **Statements :** $M \geq N > R > W, E = J > L \geq W$
   Conclusions :   **I.** $E > W$
                       II. $M > L$

Directions (6-10): In each of the question-sets below are three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Given answer.

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

6. **Statements:**   All pencils are Cutter
                     Some Cutter are Scale.
                     No Scale is a campass.
   Conclusions: **I.** All pencils being Scale is a possibility.
                      II. No campass is a Cutter.
7. **Statements:**   Some circles are triangles.
                     All triangles are squares.
                     No square is a rectangle.
   Conclusions: **I.** Some triangles being rectangles is a possibility.
                      II. All squares being circles is a possibility.
8. **Statements:**   All pencils are Cutter
                     Some Cutter are Scale.
                     No Scale is a compass.
   Conclusions: **I.** All compass being pencils is a possibility.
                      II. At least some Cutters are pencils.
9. **Statements:**   Some wallets are bags.
                     Some bags are leather.
                     All purses are leather.
   Conclusions: **I.** some purse are bags.
                      II. Some purse are wallet.
10. **Statements:**   Some circles are triangles.
                      All triangles are squares.
                      No square is a rectangle.
    Conclusions: **I.** No rectangle is a triangle.

II. Some circles are not rectangles.

Directions (11-15): Study the following information to answer the given questions

Eight students M, N, O, P , U, V, W and X are sitting around a square table in such a way four of them sit at four corners while four sit in the middle of each of the four sides. The one who sit at the 4 corners face the centre and others facing outside.

M who faces the centre sits third to the left of V. U who faces the centre is not an immediate neighbour of V. Only one person sits between V and W. P sits second to right of N. N faces the centre. O is not an immediate neighbour of M.

11. Which one does not belong to that group out of five ?
> (a)N
> (b)O
> (c)U
> (d)P
> (e)M

12. Which will come in the place of ?
> NOU   UXM   MWP ?
> (a)PVN
> (b)PWM
> (c)POW
> (d)PNV
> (e)None of these

13. What is the position of W with respect to O ?
> (a)Third to the right
> (b)Second to the left
> (c)Second to the right
> (d)Fourth to the right
> (e)None of these

14. Who sits third to the left of N ?
> (a)X
> (b)M
> (c)W
> (d)V
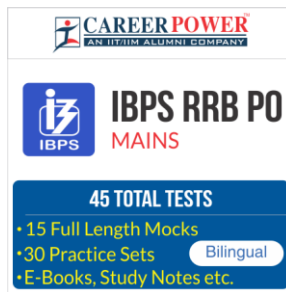> (e)None of these

15. Which is true from the given arrangement ?
> (a)W faces the centre
> (b)N faces outside
> (c)X faces inside
> (d)M faces the centre
> (e)None of these

Directions (16-18): Study the information carefully and answer the question given below.

M has two children A and C. R is brother of C. A is Husband of T and S is daughter of T. V is grandmother of S.

16. How is T related to M?
(a) Son in law
(b) Daughter
(c) Daughter in law
(d) Can't be determined
(e) None of these.

17. If R has only one sister C than what is the relation of A to S?
    (a) Mother
    (b) Father
    (c) Uncle
    (d) Can't be determined.
    (e) None of these.
18. How is M related to S?
    (a) Father
    (b) Father in law
    (c) Grandfather
    (d) Granddaughter
    (e) None of these.
    Directions (19-23): Study the following information carefully to answer the given questions:
        Eight friends P, Q, R, S, T, U, V and W are seated in a straight line facing north, but not necessarily in the same order.
        • Q sits second to right of U. U sits at one of the extreme ends of the line.
        • Only three persons sit between Q and T.
        • R sit third to the left of S. Only two persons sit between S and P.
        • V is not an immediate neighbor of T.
19. Who among the following represents the person seated at the extreme right of the line?
        (a) V   (b) W   (c) U
        (d) R   (e) P
20. Who among the following sit exactly between S and P?
        (a) U, P   (b) Q, U   (c) U, V
        (d) T, W   (e) Q, T
21. What is the position of V with respect to T?
        (a) Third to the left   (b) Second to the right   (c) Fourth to the right
        (d) Third to the right   (e) Second to the left
22. Based on the given arrangement, which of the following is true with respect to W?
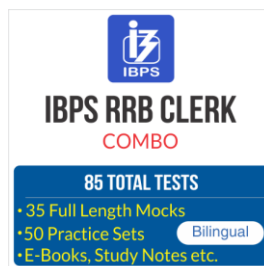   (a) Only two persons sit between W and R.
        (b) Only two persons sit to the right of W.
        (c) None of the given options is true.
        (d) Both R and P are immediate neighbors of W.
        (e) V sits on the immediate right of W.
23. How many persons are seated between V and P?
        (a) None   (b) One   (c) Two
        (d) Four   (e) Three
24. In a certain code language SERIES is written as QCGTGU. How is EXPERT written in that code language?
        (a) VTGRZG   (b) RPCRZG   (c) GZRCPR
        (d) RPCGZR   (e) None of these.

25. How many such pairs of letters are there in the word COMPOSE each of which has many letters between them in the word as they have between them in the English alphabetical series?
     (a) None   (b) One   (c) Two
     (d) Three   (e) None of these

Directions (26-30): Study the information carefully and answer the question given below.

Nine persons P, Q, R, S, T, U, V, W and X. they live on a separate floor each of a 9-floor building but not necessarily in the same order. The ground floor is numbered 1, the first floor is numbered 2 and so on until the topmost floor is numbered Nine.

Only two persons live below the floor on which V lives. Only one person lives between V and P.

W lives on an odd-numbered floor but not on floor no. 7.

Only two persons live between W and Q. X does not live on the topmost floor. P does not live on the lowermost floor. S lives immediately below R but R does not sit on topmost floor. Neither R nor T live on floor no 6. U lives immediately above P.

26. How many persons live between the floors on which P and S live?
    (a) Three
    (b) More than three
    (c) None
    (d) Two
    (e) One

27. Who lives on the floor immediately below V?
    (a) U
    (b) T
    (c) S
    (d) Q
    (e) X

28. On which of the following floor numbers does X live?
    (a) Four
    (b) One
    (c) Two
    (d) Five
    (e) Seven

29. Which of the following is true with respect to U as per the given arrangement?
    (a) Only three persons live between U and Q
    (b) Only three persons live above U.
    (c) Only one person sits between U and S.
    (d) U sits on odd numbered floor.
    (e) None of these.

30. Who lives on the floor numbered 5?
    (a) U
    (b) Q
    (c) S
    (d) P
    (e) None of these

Directions (31-32): Study the information carefully and answer the question given below.

    Mark starts from his house and moving in the south direction and after moving 25m, he took a right turn and move 40 m to reach his uncle house. again Mark start moving southwards and after travelling 50m he took a left and travels 80 m to reach his aunt home.
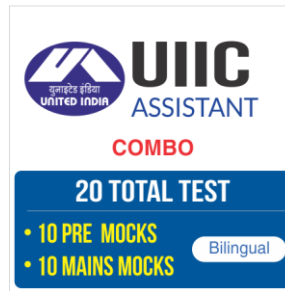
31. In which direction his aunt house is located with respect to his house?
      (a) south west
      (b) south east
      (c) north east
      (d) north west
      (e) None of these

32. Uncle house in which direction with respect to aunt house?
      (a) North east
      (b) North west
      (c) South west

(d) South east
(e) None of these

33. If Point A is 25m. to the north of uncle's house then what is the distance between A and Mark house?
    (a) 40 m.
    (b) 30 m.
    (c) 20 m.
    (d) Can't be determined
    (e) None of these.

Directions (34-38): Study the information carefully and answer the question given below.

Gaurav Join classes from Monday to Sunday of the same week for different subject viz. Biology, Chemistry , Physics, Hindi, - Mathematics, English and Geography.

-Hindi class taken by him on Wednesday.
-There is one day gap between Hindi class and Mathematics class.
-And there is three day gap between mathematics class and English class.
-English class is scheduled immediately before Physics class but not in Monday.
-Chemistry is scheduled immediately after mathematics class.
-There is one day gap between Chemistry class and Geography class. And biology class scheduled on Sunday.

34. How many gap between Maths and Chemistry class?
    (a) One
    (b) two
    (c) Three
    (d) Four
    (e) None

35. Hindi class is scheduled on which day?
    (a) Monday
    (b) Wednesday
    (c) Thursday
    (d) Friday
    (e) None of these

36. Which of the following is correct combination given below?
    (a) Hindi= Monday
    (b) Physics= Tuesday
    (c) Chemistry= Thursday
    (d) Mathematics= Monday
    (e) Biology= Friday

37. On which day of the week is Chemistry class is schedule?
    (a) Monday
    (b) Tuesday
    (c) Wednesday
    (d) Thursday
    (e) None of these.

38. For of the following five are alike in a certain ways from a group which one does not belong to the group?
    (a) Tuesday=Hindi
    (b) Monday=Chemistry
    (c) Friday=Physics
    (d) Saturday=Hindi
    (e) Thursday=English

39. If Divyaraj finds that he is fourteenth from the left end and 7 from the right end, then how many boys must be added to the line such that there are 30 boys in the line?
(a) 8
(b) 10
(c) 12
(d) 14
(e) None of these
40. Find odd one out from given series-
AZD FUI   HSM   OLP SHU
(a) AZD
(b) FUI
(c) HSM
(d) OLP
(e) None of these.