Quiz Date: 6th October 2020

Directions (1-5): Study the information carefully and answer the questions given below.
Eight persons A, B, C, D, E, F, G and H are sitting in a circular table (All of them facing towards center) and they also live in eight storey building such that ground floor is no. 1 and top floor is no. 8. Each of them likes different colours i.e. Black, Grey, Green, White, Red, Orange, Blue and Pink But not necessary in same order.
Two persons live between A and G, who likes Blue colour. A does not live at odd numbered floor. H lives just above A. H lives above G. E sits third to the right of D. C sits second to the left of D. B and the one who likes blue colour sit opposite to each other's. The person who lives at top floor sits immediately left of G and likes Black colour. F sits second to the left of G. The person who sits third to the left of B likes Pink colour. A does not sit third to the left of F. C lives at second floor and likes Orange colour. The one who likes red colour lives just above the one who likes white. H does not like white.  B lives above E and below F. The one who sits second to the left of C does not like grey colour. The one who sits opposite to D live above the one who like white colour.

Q1. Who among the following likes White?
(a) A
(b) F
(c) G
(d) D
(e) B

Q2. Who among the following person lives just above the one who likes Grey colour?
(a) E
(b) B
(c) D
(d) H
(e) None of these

Q3. Who among the following person sits third to the right of G?
(a) E
(b) The one who lives at 7th floor
(c) B
(d) The one who lives just above C
(e) None of these

Q4. How many persons live between D and the one who likes blue colour?
(a) Four
(b) Two
(c) Five
(d) Three
(e) None

Q5. Who among the following person sits opposite to F?

(a) H
(b) The one who lives at 6ᵗʰ floor
(c) B
(d) The one who likes red colour
(e) None of these

Direction (6-8): Study the given information and answer the following question.
Point B is 10m west of point Q. Point R is 5m north of H. Point F is 7m east of point H. Point D is 12m of north of Point B. Point Q is 7m south of point F. Point G is 13m south west of point D and west of point H. Point I is 5m south of point D.

Q6. What is the shortest distance between G and I?
(a) 12m
(b) 5m
(c) 10m
(d) 3m
(e) None of these

Q7. Point R is in which direction with respect to Point B?
(a) North-East
(b) South-East
(c) East
(d) North-West
(e) South-West

Q8. What is the shortest distance between Point D and Point R?
(a) 5m
(b) 6m
(c) 3m
(d) 4m
(e) None of these

Direction (9-10): In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate 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 and II follow.

Q9. Statements: Y≤T<R≥P>O<X=N>C>D
Conclusion
I: Y≤C
II: P>N

Q10. Statements:  R>B=D>L≥O≥M=S≤W
Conclusion
I:  B≥M
II: B>M

Directions (11-15): Each of these questions is based on the following information:
(i) A # B means A is the son of B.
(ii) A @ B means A is the mother of B.
(iii) A $ B means A is the brother of B.
(iv) A * B means A is the daughter of B.
(v) A % B means A is the father of B

Q11. Which of the following relation shows that M is wife of B?
(a) Q@B%X#M@N$J$K
(b) M$X%B@N*J%K*Q
(c) J@N$Q$K@B%X@M
(d) M%X%B@N$J*K
(e) None of these

Q12. Who among the following is M's daughter in law in this relation- 'W#K@L*J$N#M@E'?
(a) J
(b) L
(c) E
(d) K
(e) Can't be determine

Q13. If the expression 'S$C@M#J%K$L$W' true, then which of the following is true?
(a) K is daughter of S
(b) C is father of K
(c) S is sister in law of J
(d) K is niece of S
(e) None is true

Q14. If the expression 'Q*H%B#C*M$O%U' true, then which of the following is false?
(a) C is cousin of U
(b) O is uncle of C
(c) B is daughter of H
(d) M is uncle of U
(e) All are true

Q15. Which of the following shows the relation that H is daughter in law of Z?
(a) H@X$G%C%D*Z
(b) Z@X%C$G*H*D
(c) G@C%D*H@X$Z
(d) H%C%D*Z @X$G
(e) None of these
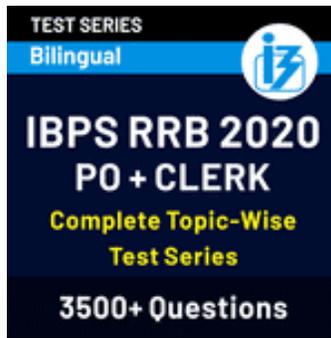
Solutions

**Solutions (1-5):**
Sol.

| Floor | Person | Colour |
|-------|--------|--------|
| 8 | D | Black |
| 7 | H | Green |
| 6 | A | Pink |
| 5 | F | Red |
| 4 | B | White |
| 3 | G | Blue |
| 2 | C | Orange |
| 1 | E | Grey |
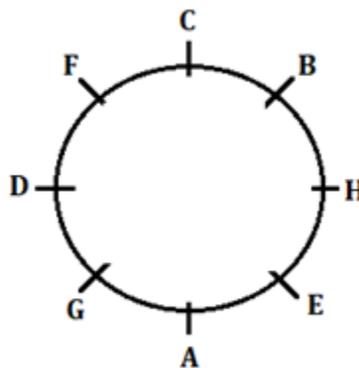


S1.Ans (e)
S2.Ans (e)
S3.Ans (b)
S4.Ans (a)
S5.Ans (e)

**Solutions (6-8):**
Sol.
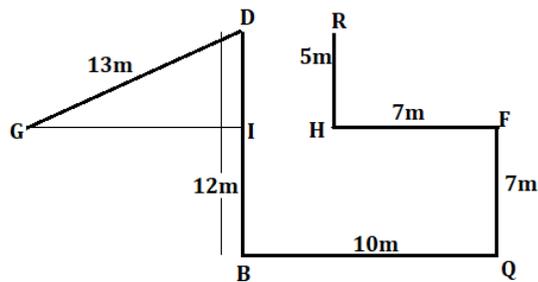


S6.Ans (a)
S7.Ans (a)
S8.Ans (c)

Solutions (9-10):
S9. Ans (d)
Sol. I: Y≤C (False)          II: P>N (False)

S10. Ans (b)
Sol. I: B≥M (False)          II: B>M (True)

Solutions (11-15):
S11. Ans (a)
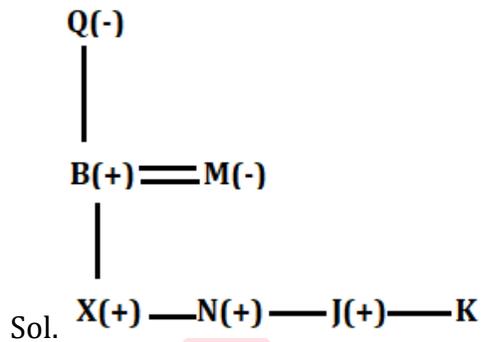
Sol.
```
       Q(-)
        |
        |
        |
  B(+)═══M(-)
        |
        |
  X(+)──N(+)──J(+)──K
```

S12. Ans (d)

Sol.
```
                        M(-)
                         |
                         |
  K(-)═══J(+)────N(+)────E
    |
    |
  W(+)──L(-)
```

S13. Ans (e)

Sol.
```
  (+)S ── (-)C ═══ J(+)
                |
                |
        (+)M ── (+)K ── (+)L ── W
```

S14.Ans (c)

```
        M(+) ——— O(+)
         |          |
         |          |
   H(+) ═══ C(-)    U
    |
    |
   Q(-) ——— B(+)
```

Sol.

S15. Ans (b)

```
   Z(-)         D
    |           |
    |           |
   X(+) ═══ H(-)
    |
    |
   C(+) ——— G(-)
```

Sol.
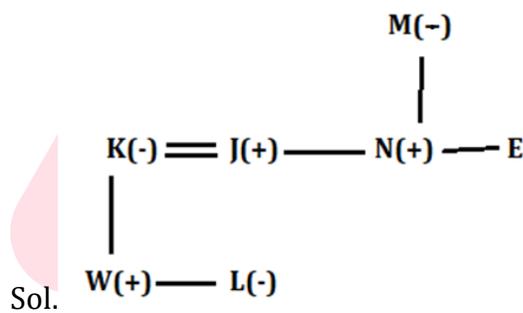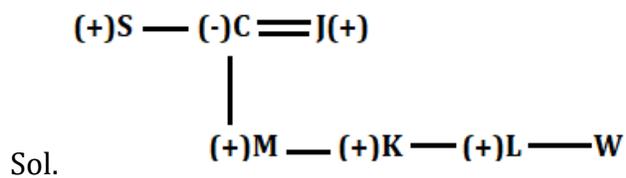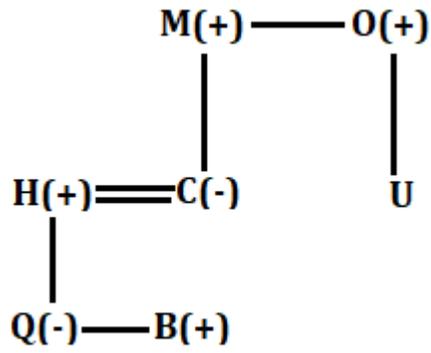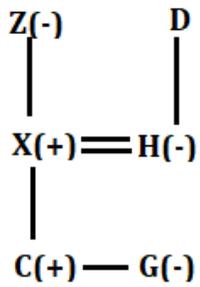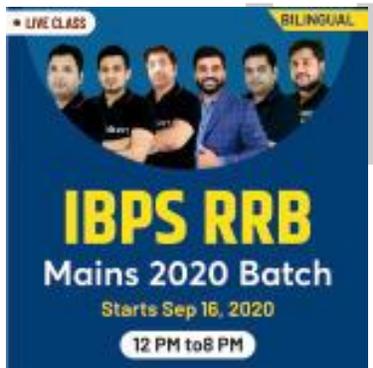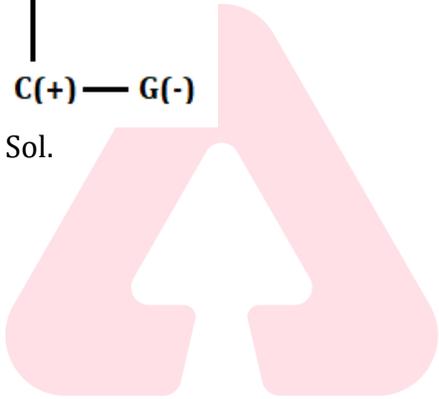
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