Reasoning Ability

Direction (1 – 5) : Study the following information carefully and answer the following questions.

Seven people i.e. A, B, C, D, E, F, and H sit in a row with equidistance to each other and all are facing towards north direction but not necessarily in the same order. H sits fourth to the right of A . Two people sit between H and B . D sits third to the left of B . E sits to the right of F. C sits somewhere between E and F.

1.
Who sits second to the right of C?
A. A
B. H
C. D
D. E
E. None of these

2.How many people sit between E and A?
A. Two
B. Three
C. None
D. One
E. More than three

3.How many people sit to the right of F?
A. Three
B. More than three
C. Two
D. None
E. One

4.Who sits to the immediate left of A?
A. B
B. C
C. F
D. E
E. None of these

5.Which pair sit at the extreme end of the row?
A. A and D
B. B and E
C. H and D
D. C and D
E. None of these

Direction (6 – 10) : Study the following information carefully and answer the following questions.

Eight people i.e. A, B, C, D, E, F, G and H are sitting around a circular table with equidistance to each other but not necessarily in the same order. All of them are facing towards the centre. A sits second to the right of H. One person sits between A and G. B sits exactly between G and A . C sits third to the left of F. E sits second to the right of D .

6.
Who sits third to the right of G?
A. D
B. E
C. B
D. F
E. None of these

7.Who sits opposite to B?
A. C
B. A
C. G
D. E
E. None of these

8.How many people sit between C and A when counted from the left of A?
A. Four
B. One
C. Three
D. Two
E. None of these

9.Who sits to the immediate left of D?
A. G
B. C
C. B
D. F
E. None of these

10.Who sits exactly between D and E?
A. C
B. G
C. B
D. H
E. F

Direction (11 – 15) : Study the following information carefully and answer the following questions.

Seven people i.e. A, B, C, D, E, F, and G live on seven different floors of the building but not necessarily in the same

order. Each person lives on a different floor. Ground floor is numbered as 1 and floor above it numbered as 2 so on till the topmost floor which is numbered as 7 . G lives on even numbered floor below 6th floor. More than three people live above G. Two people live between G and A . Three people live between A and E . Number of people above G is same as the number of people below F. B lives three floors above D .

11.
C lives on which of the following floors?
A. 1st
B. 3rd
C. 7th
D. 4th
E. None of these

12.Who lives on the topmost floor?
A. C
B. F
C. B
D. A
E. None of these

13.How many people live(s) between F and D?
A. Three
B. None
C. One
D. Four
E. Two

14.How many people live below C?
A. Two
B. One
C. Three
D. Six
E. None of these

15.Who lives between F and A?
A. B
B. G
C. No one
D. C
E. None of these

Direction (16 – 18) : Study the following information carefully and answer the following questions.

In a three-generation family of seven members i.e., P, Q, R, S, T, U and V, there are two married couples. P is the father-in-law of V. Q is the brother of V. U is the mother of Q and the spouse of R. S has only one male child. S is the daughter-in-law of U.

16.
How many male members are there in the family?
A. Four
B. Two
C. Three
D. Five
E. None of these

17.What is the relation of T with respect to U?
A. Granddaughter
B. Grandson
C. Daughter-in-law
D. Nephew
E. None of these

18.Who is the son-in-law of P?
A. V
B. Q
C. T
D. R
E. None of these

Direction (19 – 22) : Study the following information carefully and answer the following questions.

The following words are coded in this manner:
'sell table sky' is codes as 'sd gh kl'
'rate paper sell' is codes as 'gh nb cx' and
'table rate mobile' is codes as 'dr kl nb'
19.
What is the code for 'sell'?
A. sd
B. gh
C. kl
D. cx
E. None of these

20.What is the code for 'paper sky'?
A. cx nb
B. nb gh
C. cx sd
D. dr nb

E. None of these

21. What is the code for 'mobile'?
A. dr
B. cx
C. nb
D. sd
E. None of these

22. What is the word for the code 'nb dr'?
A. table rate
B. rate mobile
C. sell mobile
D. table sell
E. None of these

Direction (23 – 26) : Study the following information carefully and answer the following questions.

435 542 125 876 456
23.
If 1st digit of each number is interchanged with 3rd digit within the number, then which number becomes the highest?
A. 456
B. 876
C. 125
D. 435
E. None of these

24. If '1' is added to the last digit of each number, then which number becomes the lowest?
A. 125
B. 542
C. 432
D. 456
E. none of these

25. If all the digits in each number are arranged in ascending order within the number, then which of the following number will become the second lowest?
A. 435
B. 456
C. 542
D. 125
E. None of these

26. If the positions of the second and the third digits in each number are interchanged, then how many even numbers will be formed?
A. Three
B. One
C. None
D. Four
E. Two

Direction (27 – 30) : In each of the questions below are given few statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.
27.
Statements:
All Shot is Rate
Some Rate is Fine
Conclusions:
I. Some Shot is Fine
II. All fine is Shot
A. Only I follows
B. Only II follows
C. Both I and II follow
D. Either I or II follows
E. Neither I nor II follows

28. **Statements:**
All Set is Base
All Base is floor
Conclusions:
I. Some Floor is Set
II. Some Set is not Floor
A. Only I follows
B. Only II follows
C. Both I and II follow
D. Either I or II follows
E. Neither I nor II follows

29. **Statements:**
All Colour is Game
Some Game is Player
Some Player is Play
Conclusions:
I. No Play is Colour
II. Some Colour are Player
A. Only I follows
B. Only II follows
C. Both I and II follow

D. Either I or II follows
E. Neither I nor II follows

30. **Statements:**
All Day is date
No Date is Month
Some Month is year
Conclusions:
I. No Day is Month
II. Some Year are not Date

A. Only I follows
B. Only II follows
C. Both I and II follow
D. Either I or II follows
E. Neither I nor II follows

###ANSWERS###

1. Ans. B.
1) H sits fourth to the right of A.
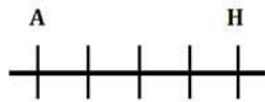
```
     A                   H
   +---+---+---+---+
```

2) Two people sit between H and B.
3) D sits third to the left of B.

```
   D        A   B            H
   +---+---+---+---+---+
```

4) E sits to the right of F.
5) C sits somewhere between E and F.

```
   D   F   A   B   C   E   H
   +---+---+---+---+---+
```
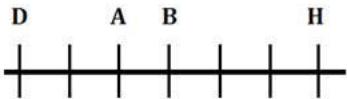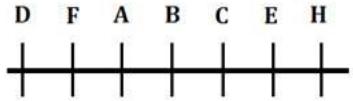
Clearly, H sits second to the right of C.

2. Ans. A.
1) H sits fourth to the right of A.
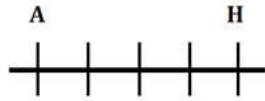
```
     A                   H
   +---+---+---+---+
```

2) Two people sit between H and B.
3) D sits third to the left of B.

```
   D        A   B            H
   +---+---+---+---+---+
```

4) E sits to the right of F.
5) C sits somewhere between E and F.

```
   D   F   A   B   C   E   H
   +---+---+---+---+---+
```
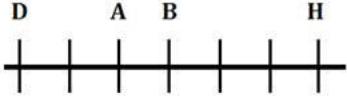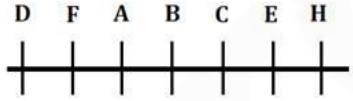
Clearly, two people sit between E and A.

3. Ans. B.
1) H sits fourth to the right of A.

```
     A                   H
   +---+---+---+---+
```

2) Two people sit between H and B.
3) D sits third to the left of B.

```
   D        A   B            H
   +---+---+---+---+---+
```

4) E sits to the right of F.
5) C sits somewhere between E and F.

```
   D   F   A   B   C   E   H
   +---+---+---+---+---+
```
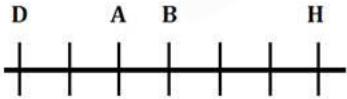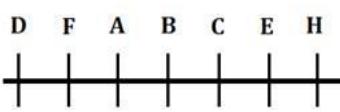
Hence, five people sit to the right of F.

4. Ans. C.
1) H sits fourth to the right of A.
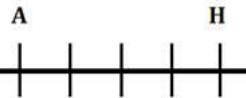
```
     A                   H
   +---+---+---+---+
```

2) Two people sit between H and B.
3) D sits third to the left of B.

```
   D        A   B            H
   +---+---+---+---+---+
```

4) E sits to the right of F.
5) C sits somewhere between E and F.

```
   D   F   A   B   C   E   H
   +---+---+---+---+---+
```
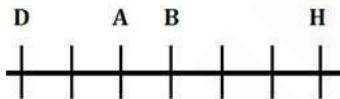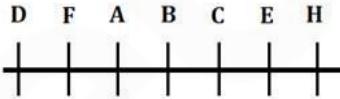
Hence, F sits immediate left of A.

5. Ans. C.
1) H sits fourth to the right of A.
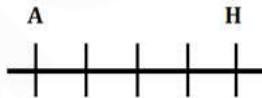
```
     A                   H
   +---+---+---+---+
```

2) Two people sit between H and B.
3) D sits third to the left of B.

```
   D        A   B            H
   +---+---+---+---+---+
```

4) E sits to the right of F.
5) C sits somewhere between E and F.

```
   D   F   A   B   C   E   H
   +---+---+---+---+---+
```
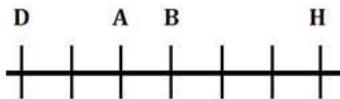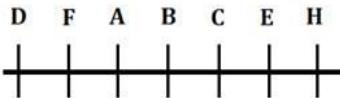
Hence, H and D sit at the extreme end of the row.

6. Ans. B.
1) A sits second to the right of H.
2) One person sits between A and G.
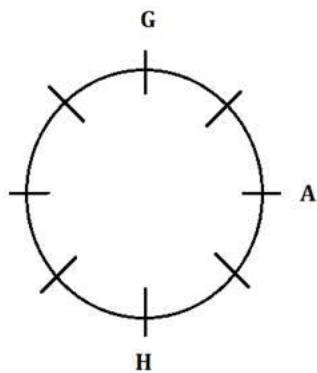
3) B sits exactly between G and A.
4) C sits third to the left of F.

3) B sits exactly between G and A.
4) C sits third to the left of F.


5) E sits second to the right of D.
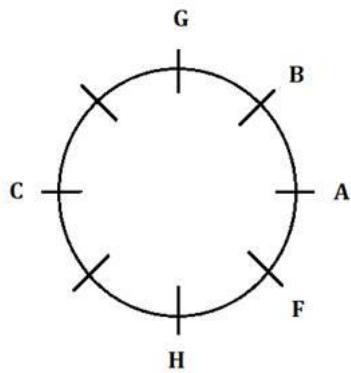
5) E sits second to the right of D.
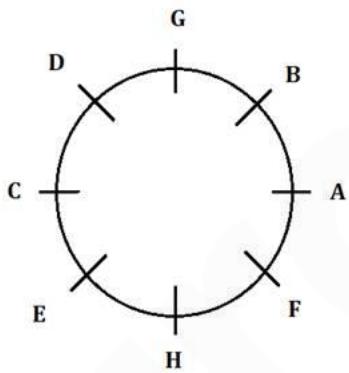
Clearly, E sits third to the right of G.
7. Ans. D.
1) A sits second to the right of H.
2) One person sits between A and G.
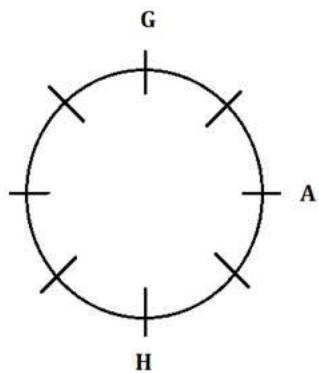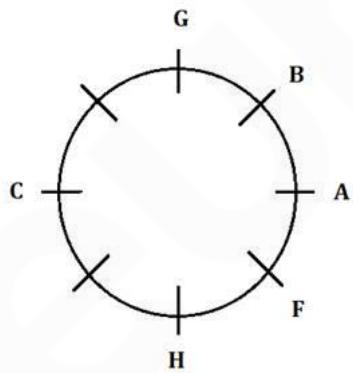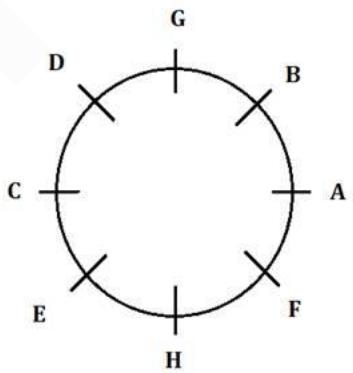
Clearly, E sits opposite to B.
8. Ans. C.
1) A sits second to the right of H.
2) One person sits between A and G.
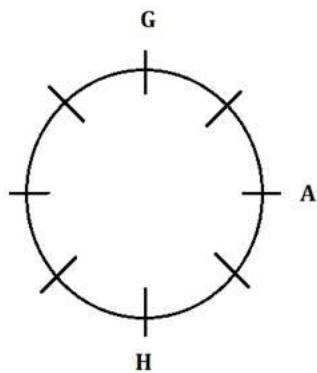
G

A

H

3) B sits exactly between G and A.
4) C sits third to the left of F.

G

B

C

A

F

H

5) E sits second to the right of D.

G

D

B

C

A

E

F

H
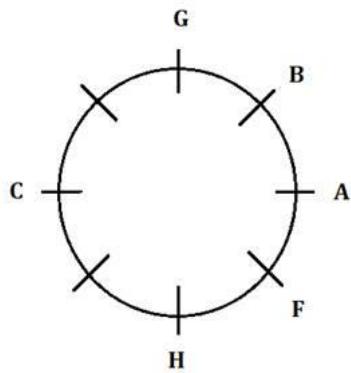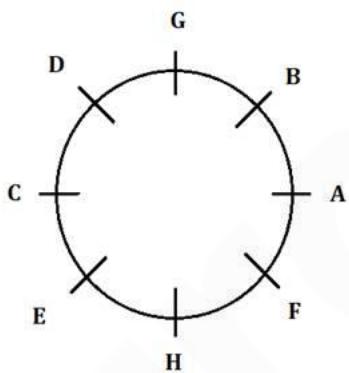
Clearly, three people sit between C and A when counted from left of A.
9. Ans. A.
1) A sits second to the right of H.
2) One person sits between A and G.
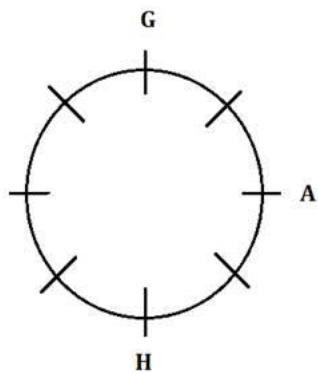
3) B sits exactly between G and A.
4) C sits third to the left of F.

G

B

C

A

F

H

5) E sits second to the right of D.

G

D

B

C

A

E

F

H
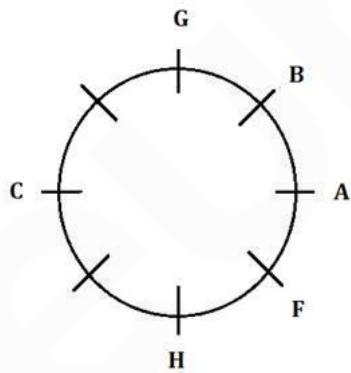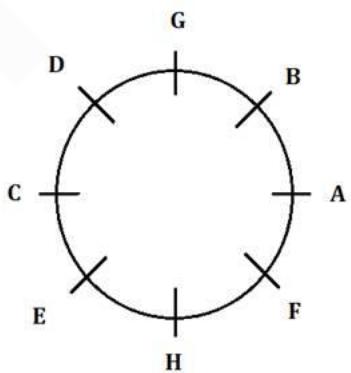
Clearly, G sits to the immediate left of D.
10. Ans. A.
1) A sits second to the right of H.
2) One person sits between A and G.
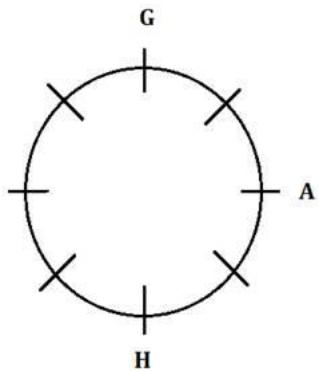
3) B sits exactly between G and A.
4) C sits third to the left of F.
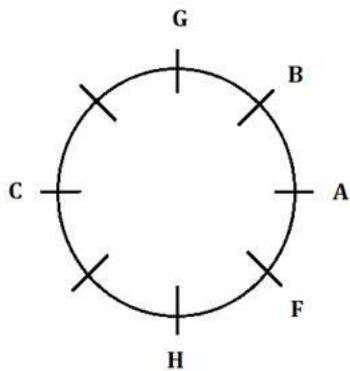

5) E sits second to the right of D.
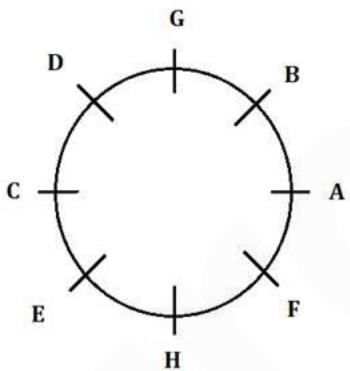
Clearly, C sits exactly between D and E.
11. Ans. B.
1) G lives on even numbered floor below 6th floor.
2) More than three people live above G.

Floor	People
7	
6	
5	
4	
3	
2	G
1	

3) Two people live between G and A.
4) Three people live between A and E.
5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, C lives on the 3rd floor.
12. Ans. C.
1) G lives on even numbered floor below 6th floor.
2) More than three people live above G.

Floor	People
7	
6	
5	
4	
3	
2	G
1	

3) Two people live between G and A.
4) Three people live between A and E.

5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, B lives on the topmost floor.

13. Ans. C.

1) G lives on even numbered floor below 6th floor.

2) More than three people live above G.

Floor	People
7	
6	
5	
4	
3	
2	G
1	

3) Two people live between G and A.

4) Three people live between A and E.

5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, one people lives between F and D.

14. Ans. A.

1) G lives on even numbered floor below 6th floor.

2) More than three people live above G.

Floor	People
7	
6	
5	
4	
3	
2	G
1	

3) Two people live between G and A.

4) Three people live between A and E.

5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, two people live below C.
15. Ans. C.
1) G lives on even numbered floor below 6th floor.
2) More than three people live above G.

Floor	People
7	
6	
5	
4	
3	
2	G
1	

3) Two people live between G and A.
4) Three people live between A and E.
5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, no one lives between F and A.
16. Ans. D.

Symbol	Relation
(+)	Male
(-)	Female
———	Sibling
═══	Couple
		Child

P(+)   R(+) ═══ U(-)

S(-) ═══ V(+)——Q(+)

T(+)
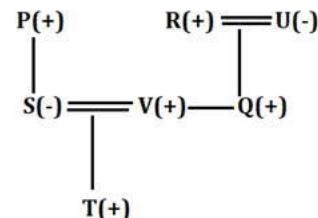
Clearly, there are five male members in the family.
17. Ans. B.

Symbol	Relation
(+)	Male
(-)	Female
———	Sibling
═══	Couple
		Child

P(+)   R(+)══U(-)

S(-)══V(+)──Q(+)

T(+)
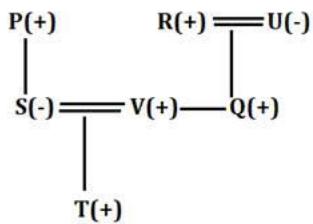
Clearly, T is the grandson of U.
18. Ans. A.

Symbol	Relation
(+)	Male
(-)	Female
──────	Sibling
══════	Couple
│	Child

P(+)   R(+)══U(-)

S(-)══V(+)──Q(+)

T(+)
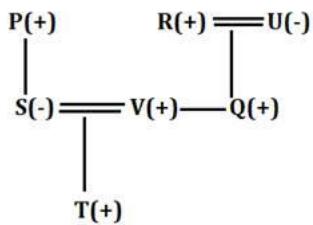
Clearly, V is the son-in-law of P.
19. Ans. B.

Word	Code
sell	gh
table	kl
sky	sd
rate	nb
paper	cx
mobile	dr

Clearly, 'gh' is the code for 'sell'.
20. Ans. C.

Word	Code
sell	gh
table	kl
sky	sd
rate	nb
paper	cx
mobile	dr

Clearly, 'cx sd' is the code for 'paper sky'.
21. Ans. A.

Word	Code
sell	gh
table	kl
sky	sd
rate	nb
paper	cx
mobile	dr

Clearly, dr is the code for 'mobile'.
22. Ans. B.

Word	Code
sell	gh
table	kl
sky	sd
rate	nb
paper	cx
mobile	dr

Clearly, 'rate mobile' is the word for the code 'nb dr'.
23. Ans. B.
435 542 125 876 456
After interchanging the digits
534 245 521 **678** 654
Clearly, 876 is the highest.
24. Ans. A.
435 542 125 876 456
After interchanging the digits
436 543 **126** 877 457
Clearly, 125 is the lowest.
25. Ans. C.
435 542 125 876 456
After interchanging the digits
345 **245** 125 678 456
Clearly, 542 is the second lowest.
26. Ans. E.
435 542 125 876 456
After interchanging the digits
453 **524 152** 867 465
Clearly, two even numbers will be formed.
27. Ans. E.
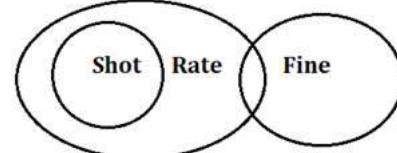
Clearly, neither I nor II follows.
28. Ans. A.
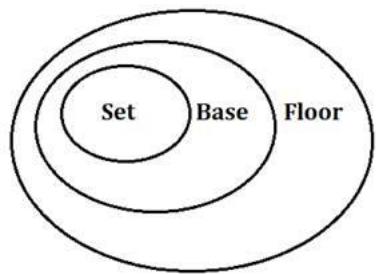
Clearly, only I follows.
29. Ans. E.
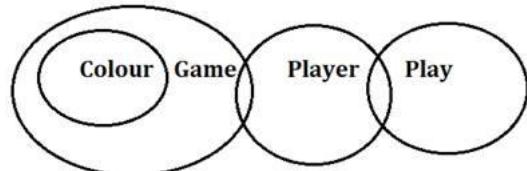
Clearly, Neither I nor II follows.
30. Ans. C.
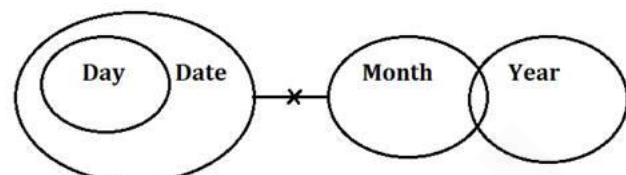
Clearly, Both I and II follow.