

SITTING ARRANGEMENT & SYLLOGIAM

Direction(1-5): Read the following information carefully and answer the questions that follow:

Eight people – P, Q, R, S, T, U, V and W are sitting around a square table (not necessarily in the same order) in such a way that four of them who are sitting at the corners of the table facing outside while other four who are sitting in the middle of each of the four sides facing inside. Each of them likes different fruits – Apple, Peach, Plum, Orange, Mango, Grapes, Cherry and Kiwi. Two people who are facing the same direction (either inside or outside) are not sitting with each other. The one who likes mango is not facing outside. U is sitting fifth to the left of the one who likes mango. Only one person is sitting between U and the one who likes orange. P is sitting third to the right of the one who likes orange. Two persons are sitting between P and W. W doesn't like orange. Neither W nor P is an immediate neighbour of Q. The one who likes peach is sitting third to the right of Q. R and T are the immediate neighbours. R is not an immediate neighbour of W nor he likes orange. The one who likes grapes is an immediate neighbour of S. S is sitting third to the left of R. The one who likes apple is sitting second to the left of the one who likes plum. R neither likes apple nor kiwi.

1. Which of the following combination is correct?

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|------------------|-------------|
| 1. Q, Orange | 2. S, Apple |
| 3. U, Grapes | 4. V, Plum |
| 5. All the above | |

2. How many people are sitting between R and the one who likes plum, when counted from the right of R?

- | | |
|---------|----------|
| 1. Two | 2. Three |
| 3. Four | 4. Five |
| 5. Six | |

3. Which of the following statement is not true as per the given information?

1. T is the facing the one who likes Apple
2. Q is sitting fifth to the left of the one who likes Mango
3. P is an immediate neighbour of R
4. V is facing to P
5. The one who likes grapes is sitting immediate right of P

4. R likes which fruit?

- | | |
|------------------|----------|
| 1. Peach | 2. Mango |
| 3. Cherry | 4. Plum |
| 5. None of these | |

5. Who among the following likes kiwi?

1. S
2. V
3. W
4. The one who is sitting immediate left of V
5. The one who is sitting fourth to the right of W

Directions (6-10): Study the following information carefully and answer the questions follows:

Seven people – A, C, E, P, R, T and U are sitting in a single row (not necessarily in the same order). Only three people are facing towards north and rest are facing south. Each of them likes different colours – Red, Blue, Green, Violet, Brown, Pink and White. The one who likes red is sitting fifth from the right end of the row. Only one person is sitting between R and the one who likes red. The one

who likes green is sitting third to the left of R. The one who likes violet is an immediate neighbour of the one who likes green. A doesn't like red but is sitting second to the right of the one who likes violet. U is an immediate neighbour of A and both are facing the opposite direction. The one who likes blue is sitting fourth to the left of U. E doesn't like blue. The one who likes brown is sitting fourth to the left of E. E is sitting third to the right of C. P is sitting fourth to the right of the one who likes white.

6. Which of the following combination is not correct?

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|--------------|------------|
| 1. A, White | 2. C, Blue |
| 3. E, Violet | 4. R, Red |
| 5. U, Pink | |

7. Four of the following five options are alike in a certain way, find out the odd pair?

- | | |
|------------|------------|
| 1. C and R | 2. C and E |
| 3. E and U | 4. P and T |
| 5. A and R | |

8. Who among the following is not facing towards south?

- | | |
|----------------------------|----------------------|
| 1. A | 2. R |
| 3. The one who likes pink | 4. The who likes red |
| 5. The one who likes green | |

9. Who among the following is/are sitting at the extreme ends?

- | | |
|----------------------------|---------------------------|
| 1. The one who likes white | 2. The one who likes blue |
| 3. R | 4. 1. & 2. |
| 5. 1. & 3. | |

10. Who among the following likes Green?

1. P
2. T
3. U
4. The one who is sitting second to the right of P
5. The one who is sitting immediate right of E

Directions (11-15): Study the following information carefully and answer the question given below.

There are 10 seats arranged in a circular manner and Eight children A, B, C, D, E, F, G, and H seated on them with four facing outwards and rest facing inwards. 2 seats are vacant. They like different fruits viz. Mango, Orange, Apple, Grapes. Guava, Banana, Pineapple, and Watermelon but not necessarily in the same order. They are of different ages viz. 6, 7, 8, 9, 10, 11, 12 and 13 but not necessarily in the same order.

C likes orange and is sitting fourth to the left of A and the seat between A and E is vacant. F is 12 years old and like Apple. F is facing outwards and is sitting to the immediate right of B who likes grapes. B and E are facing the same direction. E is sitting fifth to the right of B and he likes watermelon. D who is 8 years old likes Pineapple is sitting to the immediate right of the person who likes Guava. G faces outwards and is sitting fourth to the left of C. A who likes mango is sitting second to the right of G. The age of H is 7 years and he likes banana. E sits to the immediate left of H and the age difference of E and H is 6 years. The person whose age is 10 years likes guava. The seat between C and F is vacant but F is not at the right of C. The sum of ages of A and B is 15 and A is elder than B.

11. Who is sitting on the seat that is 3rd to the right of E?

1. C
3. A
5. Seat is vacant
12. What is the age of the person who likes Grapes?
1.8
3.12
5.6
13. Which of the following combinations is correct?
1. D – Pineapple – 9
3. F – Apple – 10
5. None of these
14. Four of the following belongs to same group and fifth one is the odd one. Find the odd one.
1. D
3. E
5. H
15. How many total persons live in building -3?
1. Three
3. Five
5. Cannot be determined

Direction (16-20): Read the following information carefully and answer the given questions

Eight persons A, B, C, D, E, F, G and H are sitting around a circular table facing center. Each person follows a different politician viz. Narendra Modi, Donald Trump, Amit Shah, V. Putin, Rahul Gandhi, Smriti Irani, Mamta Banerjee and Justin Tornado but not necessarily in the same order.

Neither A nor F follows Donald Trump. Age of the person who sits opposite to the person who follows Mamta Banerjee is two-third of the age of the one who sits opposite to C whose age is equal to the average age of E and D. The person who follows Donald Trump sits third to the right of G. C is an immediate neighbor of G. B sits third to the right of H. H neither follows Donald Trump nor V. Putin. The one who sits between B and the one who follows Donald Trump is twenty-five years old. Only one person sits between C and the person who follows Amit Shah. A and F are immediate neighbors of each other. The one who sits opposite to C is two years older than the one who sits immediate left of E. The person who follows Narendra Modi is not an immediate neighbor of the person who follows Donald Trump. Age of H is equal to the sum of the ages of the one who follows Amit Shah and V. Putin. The one who follows Smriti Irani sits second to the left of A. The one who follows Justin Tornado sits second to the right of A. Two persons sit between D and the one who follows Rahul Gandhi. G is twice as old as one of his immediate neighbors. F is five years older than C. D does not follow Donald Trump. The one who follows V. Putin sits second to the right of C. A is 10 years younger than the person who follows Donald Trump.

16. Which of the following combination is correct?
1. H – Smriti Irani
3. A – 15 years
5. All are true
17. In a certain way, A is related to Smriti Irani and G is related to H then who among the following B is related to in the same way?
1. The one whose age is 27
2. F
3. The one who follows Rahul Gandhi

4. The one who follows V. Putin
5. D
18. Which of the following statement is false regarding arrangement?
1. H follows Justin Tornado
2. B is 36 years old
3. A sits opposite to the one who follows Narendra Modi
4. All are a true statement
5. All are a false statement
19. How many persons sit between H and D when counted left from D?
1. One
3. Three
5. None
20. Who among the following follows Narendra Modi?
1. G
3. C
5. A

Directions (21-25): Study the following information carefully to answer the given questions:

Eight friends - A, B, C, D, E, F, G and H - are sitting around a circular table, but not necessarily in the same order, four of them are facing inside and the other four are facing outside. They like to eat Dosa, Burger, Pani-puri, Fries, Pastry, Popcorn, Momos and Noodles and they go to their office at 4 am, 5 am, 6 am, 7 am, 8 am, 9 am, 10 am and 11 am, but not necessarily in the same order. B goes at 7 am and does not like Fries. D sits opposite F. F goes to office before H who doesn't like Noodles. D sits second to the left of C. C sits second to the right of F. F and D who likes Pastry and goes to office before everyone else cannot face in the same direction. A who likes Burger sits third to the left of G who faces inwards. B doesn't like Noodles. H does not go office at 8 am. G who likes Popcorn and C who goes office after everyone else cannot face in the same direction. G goes to office between 9 am and 11 am. E is an immediate neighbour of F and likes Dosa while B sits second to the right of E. The one sitting opposite C goes to office at 9 am and likes Burger. F likes Pani-puri. H faces outside.

21. Which of the following likes Noodles?
1. A
3. C
5. H
22. In which direction does A faces?
1. Towards the center
3. In the same direction as B
5. 2 and 3
23. Who sits opposite the one likes Momos?
1. F
3. H
5. E
24. Which of the following statement is true?
1. E and B faces in the same direction.
2. G goes at 4 am.
3. E sits opposite to the one liking Fries.
4. G does not sit opposite B.
5. None of the above statement is true.
25. Which of the following statement is false?
1. A likes Burger
2. D likes Pastry

3. H likes Fries
5. C likes Momos

4. G likes Popcorn

Direction(26-30): Read the following information carefully and answer the following questions given below:

There are 11 persons are sitting in a row named Latif, Lillian, Layla, Liam, Lucas, Lagan, Levi, Lincoln, Landon, Lily and Lucy. Some of them are facing in the north direction while some are facing in the south. Each of them plays different game viz. Cricket, Hockey, Football, Badminton, Ludo, Carom, Racing, Polo, Baseball, Basketball and Chess.

The one who plays Cricket is sitting exactly between Latif and Lillian. Latif and Lillian are sitting on the extreme end of a row and facing north. There are 7 persons sitting between Liam and Lincoln. Liam and Lincoln are facing in the same direction but opposite to Latif. Liam is an immediate neighbour of Latif and the one who plays Cricket is 4th to the left of the Liam. The one who plays Basketball is sitting exactly between Latif and Layla who plays Polo. Lily is facing in the north direction and is 3rd to the left of Layla. Lucy and Levi are facing in the south and north direction respectively but are not immediate neighbours. Levi and Lagan are immediate neighbours but none of them is the immediate neighbour of Lily. Lucy does not play Racing. Those who play Ludo and Baseball are sitting 2nd and 3rd to the right of Lagan. Landon, who is facing south; plays Carom and is sitting at immediate left of Lily. The one who plays Racing is facing north. The one who plays Carom is sitting 4th to the right and 3rd to the left of those who play Chess and Basketball respectively. Persons at 3rd, 4th and 5th position from the right end of the row play Badminton, Football and Hockey respectively.

26. Who plays Racing?

1. Lily
3. Lucas
5. Levi
2. Lucy
4. Lagan

27. The person sitting at immediate right to Lily plays which game?

1. Ludo
3. Racing
5. Polo
2. Cricket
4. Hockey

28. Who plays Badminton?

1. Levi
3. Lucas
5. Latif
2. Lagan
4. Lillian

29. The one who plays Polo is sitting at what position in reference to Landon?

1. 2nd to the right
3. 4th to the left
5. None of these
2. 2nd to the left
4. Cannot be determined

30. Who is in majority on the right side of Lily?

1. People facing north
3. Can't be determined
5. No one is in majority
2. People facing south
4. None of these

Direction(31-40): In the question below some conclusions are given followed by some statements. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the statements disregarding commonly known facts.

31. Conclusions:

I. Some red are blue.

II. At least some yellow are green.

III. All yellow being red is a possibility.

Statements:

- I. Some green are blue. Some blue are yellow. Some yellow are red.
II. All green are yellow. Some yellow are red. No blue is yellow.
III. All green are yellow. All yellow are blue. No blue is red.
IV. Some green are yellow. Some yellow are blue. No blue is red.
V. Some green are yellow. Some yellow are blue. Some blue are red.

1. Only statement I

2. Only statement II

3. Only statement III

4. Only statement IV

5. Only statement V

32. Conclusions:

I. All physics are Maths.

II. Some Maths are definitely not science.

Statements:

I. Some Physics are Hindi. Some Hindi are Maths. No science is Hindi

II. All Maths are Hindi. Some Hindi are physics. No science is Hindi.

III. All physics are Hindi. Some Hindi are Maths. Some science are Maths.

IV. All physics are Hindi. All Hindi are Maths. No science is Hindi.

V. All physics are Hindi. All Hindi are Maths. Some science are Maths.

1. Only statement I

2. Only statement II

3. Only statement III

4. Only statement IV

5. Only statement V

33. Conclusions:

I. All tables being cups is a possibility

II. No table is a plate.

III. Some glass are tables.

Statements:

I. At least some tables are spoons. No spoon is a plate. No table is a cup.

II. All tables are spoons. No spoon is a plate. All plate are cups. All spoons are glass.

III. At least some tables are spoons. All tables are plate. No table is a cup.

IV. All tables are spoons. No spoon is a plate. All tables are glass. No spoon is a cup.

V. Some tables are spoons. All tables are glass. Some glass are plate. All plate are cups.

1. Only statement I

2. Only statement II

3. Only statement III

4. Only statement IV

5. Only statement V

34. Conclusions:

I. Some water are milk.

II. At least some tea are coffee.

III. All tea being water is a possibility.

Statements:

I. Some coffee are tea. Some tea are milk. Some milk are water. All tea are drink.

II. Some coffee are milk. Some milk are tea. Some tea are water. No coffee is drink.

III. All coffee are tea. Some tea are drink. All water are drink. No milk is drink.

IV. All coffee are tea. All tea are milk. No milk is water. Some drinks are milk.

V. Some coffee are tea. Some tea are milk. No drink is water. All milk are drinks.

1. Only statement I
2. Only statement II
3. Only statement III
4. Only statement IV
5. Only statement V

35. Conclusions:

I. Some man are woman.

II. At least some child are gender.

III. All child being man is a possibility.

Statements:

I. Some gender are child. Some child are woman. Some woman are man.

II. Some gender are woman. Some woman are child. Some child are man.

III. All gender are child. Some child are man. No woman is child.

IV. All gender are child. All child are woman. No woman is man

V. Some gender are child. Some child are woman. No woman is man.

1. Only statement I
2. Only statement II
3. Only statement III
4. Only statement IV
5. Only statement V

36. Conclusion- No pens can be scales. Some board are Books.

Statement I- Some pen is board. No board is bag. Some bag is Book. Some pens are scales.

Statement II- Some pens is board. Some board are Books. All Books are bag. Some scales are board.

Statement III- All bag is Book. No Book is scale. Some pens are scales. Some pen is board.

Statement IV- All scales is Book. Some pens are Books. All pen is bag. No board is bag.

Statement V- No scale is pen. Some pens are bag. Some bag is Book. Some board are books.

1. Only Statement I
2. Only Statement II
3. Only Statement III
4. Only Statement IV
5. Only Statement V

37. Conclusions:

Some king is queen is a possibility. Some jack is not queen.

Statements:

1. All king is jack. Some jack is ace. All ace is spade. No ace is queen.

2. All king is jack. Some ace is king. All ace is spade. No jack is queen.

3. Some king is ace. All jack is ace. No ace is spade. Some queen is spade.

4. All jack is king. All king is ace. Some queen is spade.

No queen is ace.

5. None is correct

38. Conclusion:

I. Some A are B.

II. All B are D.

Statements:

1. All A are B. All B are C. All C are D.
2. All A are B. Some D are A. Some B are C.

3. All B are C. All C are D. Some A are D.

4. Some A are B. No D is C. All B are C.

5. None of these

39. Conclusion:

I. Some parrot are not peacock.

II. Some bird are mammal.

Statements:

1. All parrot are bird. No bird is peacock. Some parrot are mammal.

2. All bird are parrot. All parrot are mammal. No mammal is peacock.

3. Some parrot are bird. All bird are mammal. Some mammal are peacock.

4. Some bird are mammal. Some mammal are parrot. Some peacock are mammal.

5. None of these.

40. Conclusion:

I. Some real are fake.

II. All good are bad.

Statements:

1. No bad is fake. Some fake are good. All real are bad.

2. No bad is real. All real are fake. Some fake are good.

3. Some bad are fake. Some fake are real. No real is good.

4. All good are fake. All fake are bad. Some real are good.

5. None of these

Direction (41-50). In each group of questions below are two conclusions followed by five set of statements. You have to choose the correct set of statements that logically satisfies given conclusions. Given statements to be true even if they seem to be at variance from commonly known facts.

41. Conclusions:

Some grapes are fruit is a possibility.

Some apples are not mangoes

Statements:

Statements – 1: All fruits are oranges. All oranges are apples. No orange is mango. No grape is apple.

Statements – 2: Some fruits are oranges. All oranges are apples. Some orange are mango. No grape is apple.

Statements – 3: All fruits are oranges. All oranges are apples. No orange is mango. All grapes are apples

Statements – 4: All fruits are oranges. All oranges are apples. No grape is a fruit. Some grapes are Mangoes

Statements – 5: Some fruits are oranges. All oranges are apples. No orange is mango. Some grapes are Mangoes

1. Only Statements – 1 and 2
2. Only Statements – 2 and 3
3. Only Statements – 3 and 5
4. Only Statements – 4 and 5
5. Only Statements – 5

42. Conclusions:

All waters are juices.

Some juices are not liquids

Statements:

Statements – 1: Some waters are milks. Some milks are juice. No liquid is milk

Statements – 2: All juices are milks. Some milks are waters. No liquid is milk

Statements – 3: All waters are milks. Some milks are juice. Some liquids are juice

Statements – 4: All waters are milks. All milks are juice. No liquid is milk

Statements – 5: All waters are milks. All milks are juice. Some liquids are juice

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|------------------------------|------------------------|
| 1. Only Statements – 1 and 2 | 2. Only Statements – 3 |
| 3. Only Statements – 4 and 5 | 4. Only Statements – 4 |
| 5. Only Statements – 5 | |

43. Conclusions:

Some pens are papers.
Some boxes are papers.

Statements:

Statements – 1: Some Erasers are pens. All pens are boxes. No box is book. No paper is box.

Statements – 2: All Erasers are pens. All pens are boxes. No box is book. All papers are pens.

Statements – 3: Some Erasers are pens. All pens are boxes. No box is book. Some papers are books.

Statements – 4: All Erasers are pens. All pens are boxes. No box is book. Some papers are erasers.

Statements – 5: All Erasers are pens. All pens are boxes. No box is book. Some papers are books.

- | | |
|------------------------------|------------------------------|
| 1. Only Statements – 1 and 2 | 2. Only Statements – 2 and 3 |
| 3. Only Statements – 2 and 4 | 4. Only Statements – 1 and 3 |
| 5. None of these | |

44. Conclusions:

Some cars are vans
At least some buses are cycles

Statements:

Statements – 1: Some cycles are buss. Some buses are vans. Some vans are cars

Statements – 2: Some cycles are vans. Some vans are bus. Some buses are cars

Statements – 3: All cycles are buss. Some buses are vans. No van is car

Statements – 4: All cycles are buss. All buses are vans. No vans are car

Statements – 5: Some cycles are buss. Some buses are vans. No van is car

- | | |
|------------------------|------------------------------|
| 1. Only Statements – 1 | 2. Only Statements – 2 and 3 |
| 3. Only Statements – 3 | 4. Only Statements – 4 and 5 |
| 5. Only Statements – 5 | |

45. Conclusions:

Some monkeys are being cats is a possibility
Some rats are being monkeys is a possibility

Statements:

Statements – 1: All cats are dogs; Some monkeys are dogs. No rat is monkey

Statements – 2: All cats are dogs; No monkey is dog. All rats are cats

Statements – 3: Some cats are dogs; Some monkeys are dogs. No rat is monkey

Statements – 4: Some cats are dogs; Some monkeys are dogs. No rat is monkey

Statements – 5: Some cats are dogs; Some monkeys are dogs. All rats are cats

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|------------------------|------------------------------|
| 1. Only Statements – 1 | 2. Only Statements – 2 and 3 |
| 3. Only Statements – 3 | 4. Only Statements – 4 and 5 |

5. Only Statements – 5

46. Conclusions:

No car is a bike
All bikes being races is a possibility

Statements:

Statements – 1: All matches are bikes. No bike is a lap. All cars are bikes. All laps are races.

Statements – 2: Some matches are bikes. No bike is an race. All cars are laps. All laps are races.

Statements – 3: Some matches are bikes. No bike is a lap. All cars are bikes. All laps are races.

Statements – 4: All matches are bikes. No bike is an race. All cars are laps. All laps are races.

Statements – 5: All matches are bikes. No bike is a lap. All cars are laps. All laps are races.

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|----------------------------|----------------------------|
| 1. Only Statements – 1 & 2 | 2. Only Statements – 2 & 3 |
| 3. Only Statements – 3 | 4. Only Statements – 4 & 5 |
| 5. Only Statements – 5 | |

47. Conclusions:

No tree is a flower
Some plants are flowers.

Statements:

Statements – 1: No tree is root. No root is a flower. Some flowers are plants.

Statements – 2: All trees are roots. All roots are flower. No flower is plant.

Statements – 3: All trees are roots. No root is a flower. Some flowers are plants.

Statements – 4: All trees are roots. No root is a flower. No flower is plant.

Statements – 5: All trees are roots. All roots are flower. Some flowers are plants.

- | | |
|------------------------|------------------------------|
| 1. Only Statements – 1 | 2. Only Statements – 2 and 3 |
| 3. Only Statements – 3 | 4. Only Statements – 4 and 5 |
| 5. Only Statements – 5 | |

48. Conclusions:

At least some reds being blue is a possibility.
Some yellows are reds.

Statements:

Statements – 1: All Reds are Yellows. All reds are blacks. No red is a blue.

Statements – 2: All Reds are Yellows. All Yellows are blacks. No black is a blue.

Statements – 3: Some Reds are Yellows. Some reds are blacks. No red is a blue.

Statements – 4: Some Reds are Yellows. All Yellows are blacks. No red is a blue.

Statements – 5: All Reds are Yellows. Some reds are blacks. No black is a blue.

- | | |
|------------------------|------------------------------|
| 1. Only Statements – 1 | 2. Both Statements – 2 and 4 |
| 3. Only Statements – 3 | 4. Both Statements – 3 and 5 |
| 5. Only Statements – 5 | |

49. Below are given two conclusions followed by four statements. For each question, mark out an appropriate answer choice that you think is correct.

Conclusions:

I. Some water being bottle is a possibility.

II. Some glasses being water is a possibility.

Statements:

1. All bottles are pans. Some water is pans. No glass is water.
 2. All bottles are pans. No water is pan. All glasses are bottles.
 3. Some bottles are pans. Some water is pans. No glass is water.
 4. Some bottles are pans. Some water is pans. All glass is water.
1. Only statement 1
 2. Only statement 4
 3. Both statement 3 and 4
 4. Both statement 1 and 4
 5. None is follows

50. Below are given three conclusions followed by five statements. For each question, mark out an appropriate answer choice that you think is correct.

Conclusions:

- I. Some drums are tablas.
- II. Some spoons can be drums.

III. Some drums are not large.

Statements:

1. All spoons are tablas. No tabla is drum. Some drums are instruments. No instrument is large.
 2. All spoons are tablas. No tabla is drum. All drums are instruments. No instrument is large.
 3. All spoons are tablas. No tabla is drum. No girl is drum. No instrument is large.
 4. All spoons are tablas. Some tablas are drums. Some drums are instruments. No instrument is large.
 5. All spoons are tablas. No tabla is drum. Some drums are instruments. All instruments are large.
1. Only statement 2
 2. Only statement 4
 3. Both statement 1 and 4
 4. Both statement 2 and 3
 5. Only statement 5

ANSWER KEY

1.(5)	2.(1)	3.(2)	4.(3)	5.(3)	6.(4)	7.(1)	8.(3)	9.(5)	10.(2)
11.(4)	12.(5)	13.(4)	14.(3)	15.(2)	16.(4)	17.(3)	18.(2)	19.(3)	20.(1)
21.(3)	22.(4)	23.(2)	24.(3)	25.(5)	26.(3)	27.(4)	28.(1)	29.(1)	30.(2)
31.(5)	32.(4)	33.(2)	34.(1)	35.(1)	36.(5)	37.(1)	38.(1)	39.(2)	40.(4)
41.(3)	42.(4)	43.(3)	44.(1)	45.(5)	46.(5)	47.(3)	48.(5)	49.(5)	50.(2)