Linear Seating Arrangement Puzzle with Unknown Number of Persons For Upcoming Bank Prelims Exams

Uncertain Number of People Linear Arrangement Questions

Directions (1-5): Study the following information carefully and answer the questions below.

A certain number of people are sitting in a row facing North. C sits at one of the ends and there are two people between C and B.There are as many people to the right of G as there are to the left of G. F is third to the left of B who sits fourth from one of the extreme ends of the row. A sits at one of the extreme ends of the row. F does not sit at any of the extreme ends of the row. There are five persons sitting between A and D. E sits exactly in the middle of A and D. Two persons sit between D and G. There are as many persons sitting between F and C as many are sitting between F and D.

1. Who is sitting third to the right of F?
(a) D
(b) C
(c) A
(d) B
(e) E

2. Who sits between F and D ?
(a) G
(b) E
(c) B
(d) F
(e) None of these

3. How many persons sitting in a row?
(a) 20
(b) 19
(c) 23
(d) 14
(e) None of these

4. Who among the following person sits sixth to the right of G?
(a) F
(b) B
(c) D
(d) C
(e) None of these

5. How many persons are sitting between D and C?
(a) 9
(b) 13
(c) 10
(d) 12
(e) 11

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

A certain number of persons are sitting in the row. All of them are facing towards south. Q sits sixth from the right of S. T sits forth to left of Q. Only two persons sit between Q and P. Six persons sit between W and V. R sits forth to the left of S. U sits between S and T. V sits second to the right of U. W is third from any of the end. S is eight from the left end of the row.

6. How many persons sitting in a row?
(a) 20
(b) 17
(c) 23
(d) 18
(e) None of these

7. Who is to the third to the right of Q ?
(a) W

(b) V

(c) P

(d) S

(e) None of these

8. Who is to the immediate left of P?

(a) W

(b) Q

(c) T

(d) S

(e) NONE

9. Who is third to the right of S?

(a) T

(b) W

(c) V

(d) R

(e) None of these

10. What is the position of R with respect to S?

(a) Third to the right

(b) Second to the right

(c) Third to the left

(d) Second to the left

(e) Fourth to the left

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

A certain number of people are sitting in a linear row and all of them are facing north direction.. M sits eighth to the left of J. N sits fourth to the right of K. O sits to the immediate left of P. L sits exactly in the middle of K and J. P sits third from the extreme right end of the row. Number of people between J and P is same as that of between K and J. Only ten people are sitting to the left of J. Only six people sit between N and O. Number of

people between M and J is same as that of between Q and J.

11. How many persons sitting in a row?

(a) 20

(b) 19

(c) 23

(d) 18

(e) None of these

12. Who is to the third to the right of K ?

(a) M

(b) J

(c) O

(d) L

(e) None of these

13. Who is to the immediate left of P?

(a) O

(b) Q

(c) M

(d) L

(e) NONE

14. Who is third to the left of J?

(a) M

(b) Q

(c) L

(d) P

(e) None of these

15. How many persons are sitting between K and N?

(a) Two

(b) Five

(c) Three

(d) Four

(e) More than five

Directions (16-20): Study the following information carefully and answer the questions below.

A certain number of people are sitting in a straight line facing south with equal distance between adjacent persons. W sits fifth to the left of U. Only two people sit between W and X. X sits second from one of the extreme ends of the line. Only five people sit between X and V. S

sits eight to the right of V. As many people sit between U and S as between T and S. Only two people sit to the right of T.

16. Who is sitting second to the left of U?
(a) V
(b) W
(c) T
(d) S
(e) X

17. Who sits between V and X ?
(a) T
(b) S
(c) X
(d) U
(e) W

18. How many persons sitting in a row?
(a) 20
(b) 24
(c) 23
(d) 14
(e) None of these

19. Who among the following person sits sixth to the right of S?
(a) X
(b) V
(c) W
(d) T
(e) None of these

20. How many persons are sitting between V and U?
(a) Two
(b) Five
(c) One
(d) Four
(e) More than five

Directions (21-25): Study the following information carefully and answer the questions below.

Certain number of persons sits in the linear row, all of them facing north. G sits third to either left or right of H. B sits sixth to the left of C who sits second to the left of E. G and E are immediate neighbours of D. F sits fourth to the right of H. Some persons between H and A is one less than the persons between B and C. I sits immediate left of H and persons sits left of I is twice of persons between B and E from the left end. A sits second from the right end.

21. How many persons sitting in a row?
(a) 20
(b) 19
(c) 23
(d) 18
(e) None of these

22. Who is to the third to the right of D?
(a) C
(b) I
(c) G
(d) B
(e) None of these

23. Who is to the immediate left of G?
(a) D
(b) B
(c) I
(d) C
(e) NONE

24. Who is third to the left of H?
(a) I
(b) C
(c) F
(d) G
(e) None of these

25. How many persons are sitting between C and I?
(a) Two
(b) Five
(c) Three
(d) Four
(e) More than five

Directions (26-30): Study the following information carefully and answer the questions below.

A certain number of persons are sitting in a row facing south. Three persons sit between D and E and B sits third to the right of E. Number of person sit between D and F is equal to no of person sit between D and C. Only three person sits to the left of C. B sits second to the left of F. Only six person sit between C and A. There are only two person sit between F and G. G sits second from the extreme end.

26. Who is sitting second to the left of F?
(a) B
(b) E
(c) D
(d) C
(e) A

27. Who sits second to the right extreme end?
(a) C
(b) E
(c) G
(d) D
(e) B

28. How many persons sitting in a row?
(a) 20
(b) 24
(c) 23
(d) 14
(e) 26

29. Who among the following person sits sixth to the right of A?
(a) C
(b) E
(c) B
(d) D
(e) None of these

30. How many persons are sitting between G and B?
(a) Two
(b) Five
(c) One
(d) Four
(e) More than five

Directions (31-35): Study the following information carefully and answer the questions below.
Certain number of persons are sitting in a row facing north. A sits fourth to the right of D. Five persons sit between A and G. F sits at one of the positions left to D. The number of persons sitting between A and E are same D and F. H sits exactly between D and A. Four persons sit between A and E. No one sits to the right of B , who is immediate right to C. G is 3rd left to C. Two persons sit between H and E. F sits at extreme left end.

31. How many persons sitting in a row?
(a) 20
(b) 19
(c) 23
(d) 18
(e) None of these

32. Who is to the third to the right of E ?
(a) C
(b) A
(c) G
(d) B
(e) None of these

33. Who is to the immediate left of F?
(a) G
(b) B
(c) I
(d) C
(e) NONE

34. Who is third to the left of H?
(a) D
(b) E
(c) F
(d) G
(e) None of these

35. How many persons are sitting between E and A?
(a) Two
(b) Five
(c) Three

(d) Four

(e) More than five

Directions (36-40): Study the following information carefully and answer the questions below.

An uncertain number of persons sitting in a straight line facing north. Three persons sit between A and B. C sits second to the right of A. Only three persons sit between B and D. E is immediate left of A. C sits fifth from right extreme ends of the row. I sits on the extreme end of the row. As many persons sit between C and F as many between F and D. J sits second to the left of G, who is an immediate neighbor of B. Not more than two persons sit between G and D. Five persons sit between D and I. As many persons sit between D and H as many between H and I.

36. Who is sitting second to the right of G?

(a) F

(b) D

(c) C

(d) J

(e) B

37. Who sits at extreme left end?

(a) B

(b) I

(c) J

(d) G

(e) H

38. How many persons sitting in a row?

(a) 20

(b) 21

(c) 23

(d) 14

(e) None of these

39. Who among the following person sits sixth to the right of B?

(a) H

(b) D

(c) G

(d) C

(e) None of these

40. How many persons are sitting between D and E?

(a) Two

(b) Five

(c) One

(d) Four

(e) More than five

Directions (41-45): Study the following information carefully and answer the questions below.

A certain number of persons are standing in a row facing south. C stands one of the end of the row. As many persons standing between D and F as between E and D. Eight person standing between E and B. Only one person standing between C and E. B is third from one of the end. A is fifth to the right of D. More than six person standing between C and F. Not more than five person standing between B and A.

41. How many persons sitting in a row?

(a) 20

(b) 17

(c) 23

(d) 14

(e) None of these

42. Who is to the third to the right of F ?

(a) B

(b) D

(c) C

(d) E

(e) None of these

43. Who is to the second to left of E?

(a) D

(b) B

(c) C

(d) A

(e) NONE

44. Who is third to the left of F?

(a) D

(b) C

(c) A

(d) B

(e) None of these

45. What is the position of E with respect to C?

(a) Third to the right

(b) Second to the right

(c) Third to the left

(d) Second to the left

(e) Fourth to the right

Directions (46-50): Study the following information carefully and answer the questions below.

A certain number of people are sitting in a straight line facing North. S sits eight from the left end of the line. Only four people sits between S & U. T sits second to the left of U. V sits fourth to the right of T. As many people sit between S and V as between V and X. W sits third to the right of X. The number of people sitting between S and T is same as that sitting to the right of W.

46. How many persons sitting in a row?

(a) 20

(b) 27

(c) 23

(d) 14

(e) None of these

47. Who among the following person sits fourth to the right of T?

(a) W

(b) X

(c) W

(d) V

(e) None of these

48. How many persons are sitting between X and W?

(a) Two

(b) Five

(c) Three

(d) Four

(e) More than five

49. If J is at extreme right end then who among the following person sits second to the left of J?

(a) W

(b) X

(c) V

(d) T

(e) None of these

50. Who is third to the left of T?

(a) X

(b) W

(c) V

(d) U

(e) S

Detailed Explanation

SOLUTION(1-5):

Explanation in detail:

1. F does not sit at any of the extreme ends of the row.
2. F is third to the left of B who sits fourth from one of the extreme ends of the row
3. C sits at one of the ends and there are two people between C and B.
4. There are as many persons sitting between F and C as many are sitting between F and D.

| D | | | | F | B | | C |

5. A sits at one of the extreme ends of the row.
6. There are five persons sitting between A and D
7. There are as many people to the right of G as there are to the left of G..
8. E sits exactly in the middle of A and D.
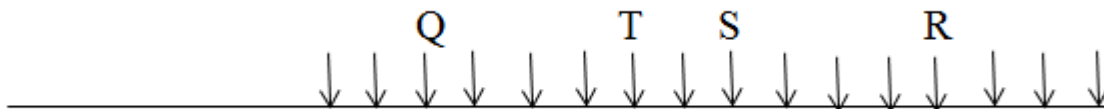9. Two persons sit between D and G.

| A | E | D | G | F | B | C |

So final arrangement:

| A | E | D | G | F | B | C |
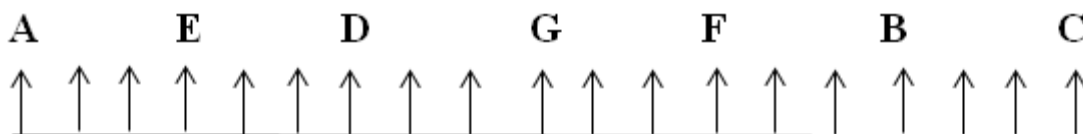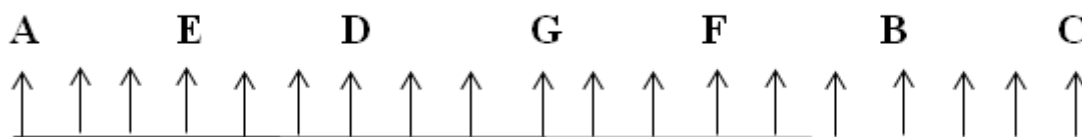
1. d
2. a
3. b
4. b
5. e

SOLUTION(6-10):
Explanation in detail:
1. S is eight from the left end of the row
2. R sits forth to the left of S.

3. Q sits sixth from the right of S.
4. T sits forth to left of Q.

5. U sits between S and T.
6. V sits second to the right of U.
7. Only two persons sit between Q and P.
8. W is third from any of the end.
9. Six persons sit between W and V.
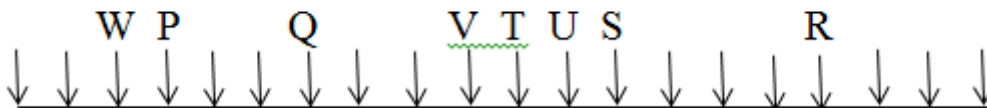
So final arrangement:
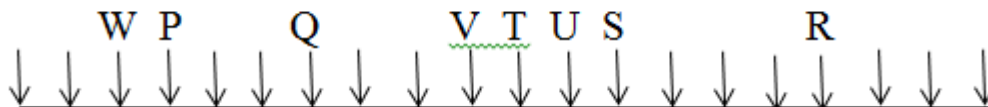
6. a
7. c
8. e
9. c
10. e

SOLUTION(11-15):

Explanation in detail:

1. Only ten people are sitting to the left of J.
2. M sits eighth to the left of J.
3. Number of people between M and J is same as that of between Q and J.

M   J   Q
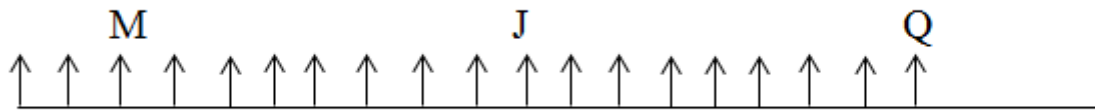
4. N sits fourth to the right of K.
5. O sits to the immediate left of P.
6. L sits exactly in the middle of K and J.
7. P sits third from the extreme right end of the row.
8. Number of people between J and P is same as that of between K and J.
9. Only six people sit between N and O.

M   K   L N   J   O   P   Q

So final arrangement:

M   K   L N   J   O   P   Q

11. b
12. d
13. a
14. c
15. c

SOLUTION(16-20):
Explanation in detail:
1. X sits second from one of the extreme ends of the line.
2. Only five people sit between X and V.
3. Only two people sit between W and X.
4. W sits fifth to the left of U.
5. S sits eight to the right of V.
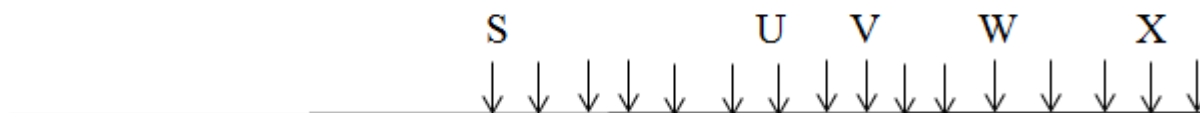
6. As many people sit between U and S as between T and S.
7. Only two people sit to the right of T.
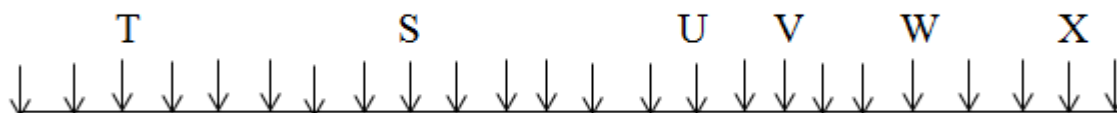
So final arrangement:
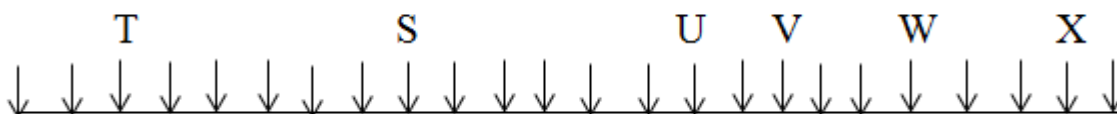
16. a
17. e
18. b
19. d
20. c

SOLUTION(21-25):
Explanation in detail:
1. B sits sixth to the left of C
2. L sits second to the left of E.
3. G and E are immediate neighbours of D.

4. F sits fourth to the right of H.
5. Some persons between H and A is one less than the persons between B and C.

6. G sits third to either left or right of H.
7. I sits immediate left of H and persons sits left of I is twice of persons between B and E from the left end.
8. A sits second from the right end.

So final arrangement:
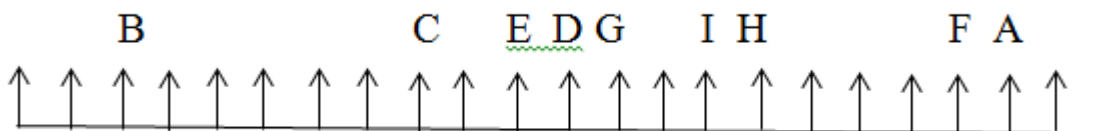
21. e
22. b
23. a
24. d
25. b

SOLUTION(26-30):
Explanation in detail:

1. G sits second from the extreme right end.
2. There are only two person sit between F and G.
3. B sits second to the left of F.
4. B sits third to the right of E.
5. Three persons sit between D and E and

CASE1:
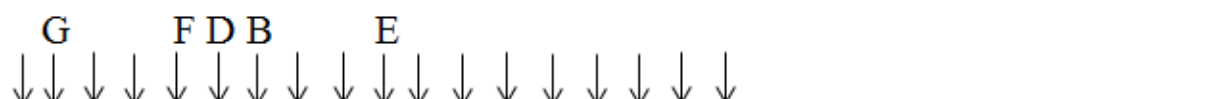
CASE2:

Subscribe Our Yearly Mock Test Pack to Get 1000+ Mock Test for Bank+SSC+Railway Exams

G   F B   E   D
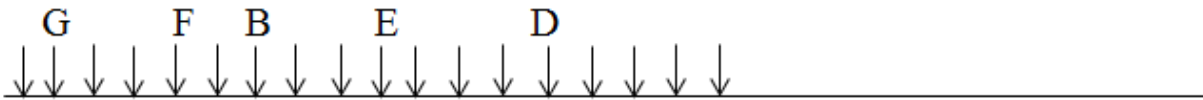
6. Number of person sit between D and F is equal to no of person sit between D and C.
7. Only three person sits to the left of C.
8. Only six person sit between C and A.

So CASE1 is cxancelled out.

G   F B   E   D A   C

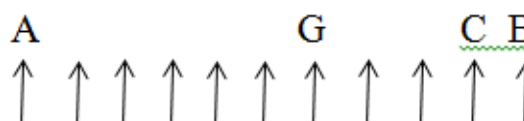**So final arrangement:**

G   F B   E   D A   C
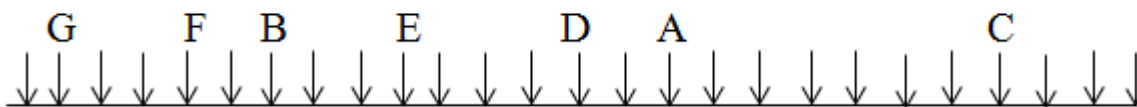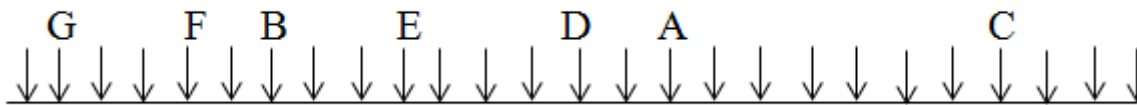
26. a
27. c
28. e
29. b
30. d

SOLUTION(31-35):
Explanation in detail:
1. No one sits to the right of B ,
2. B is immediate right to C.
3. G is 3rd left to C.
4. Five persons sit between A and G

A   G   C B

5. A sits fourth to the right of D.

6. F sits at one of the positions left to D.
7. The number of persons sitting between A and E are same D and F.
8. H sits exactly between D and A.
9. Four persons sit between A and E.
10. Two persons sit between H and E.
11. F sits at extreme left end.
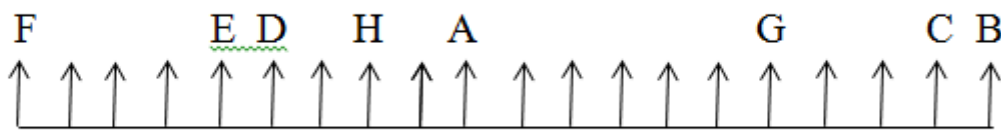
So final arrangement:
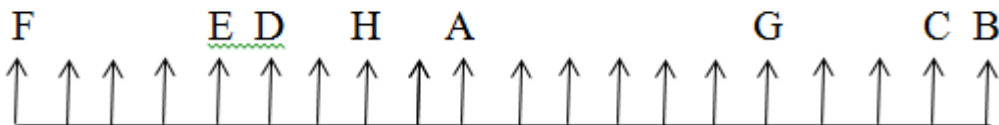
31. a
32. e
33. e
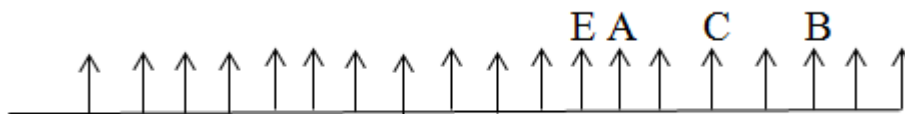34. b
35. d

SOLUTION(36-40):
Explanation in detail:
1. C sits fifth from right extreme ends of the row.
2. C sits second to the right of A.
3. E is immediate left of A.
4. Three persons sit between A and B.
5. Only three persons sit between B and D.

CASE1:

```
          D       B     E A   C
  ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
  |_____|
```

CASE2:

```
                        E A   C   B
  ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
  |_____|
```
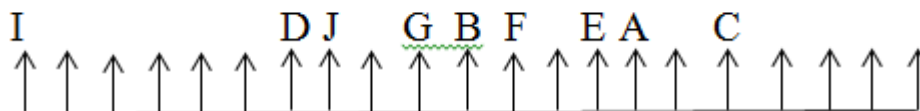
6. As many persons sit between C and F as many between F and D.
7. J sits second to the left of G, who is an immediate neighbor of B.
8. Not more than two persons sit between G and D.
9. Five persons sit between D and I.
10. I sits on the extreme end of the row.
11. As many persons sit between D and H as many between H and I.

CASE2 is cancelled out because there is no space for D

```
  I           D J   G B F   E A   C
  ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
  |_____|
```

So final arrangement:

```
  I       H   D J   G B F   E A   C
  ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑
  |_____|
```
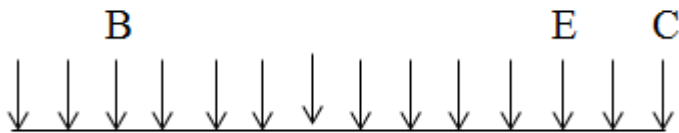
36. a
37. b
38. b
39. d
40. e

Linear Seating Arrangement Puzzle with Unknown Number of Persons For Upcoming Bank Prelims Exams
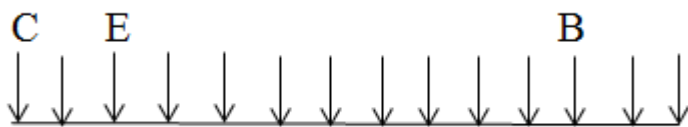
SOLUTION(41-45):

Explanation in detail:

1. C stands one of the end of the row.
2. Only one person standing between C and E.
3. Eight person standing between E and B.
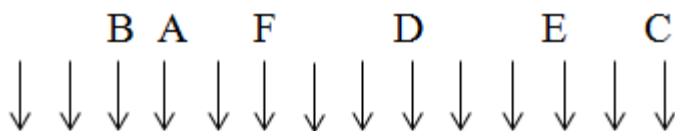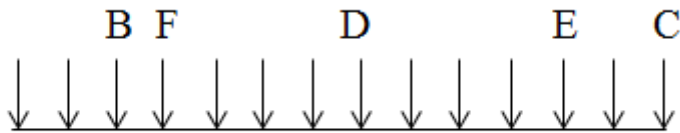4. B is third from one of the end.

CASE1:

CASE2:

5. As many persons standing between D and F as between E and D.
6. A is fifth to the right of D.
7. More than six person standing between C and F.
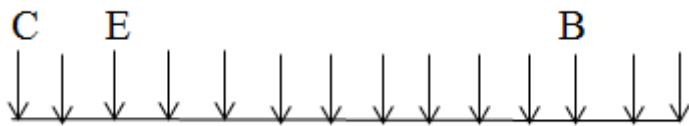8. Not more than five person standing between B and A.

CASE1(A):

CASE1(B):

Subscribe Our Yearly Mock Test Pack to Get 1000+ Mock Test for Bank+SSC+Railway Exams

B F   D   E   C

CASE2:
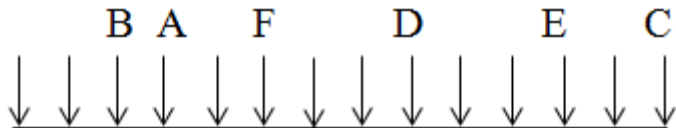
C   E   B

CASE1(B) Is cancelled out because there is no space for A

CASE2 is cancelled out because there is no space for D, F and A according to condition of question.

So CASE1(A) is Final arrangement.

B   A   F   D   E   C

41. d
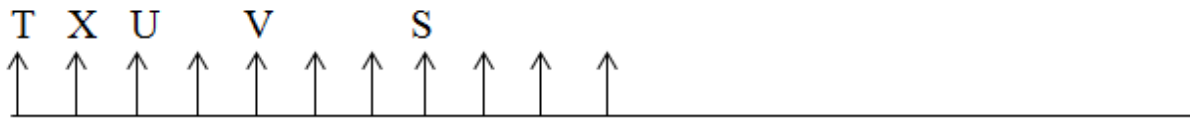42. a
43. c
44. a
45. b

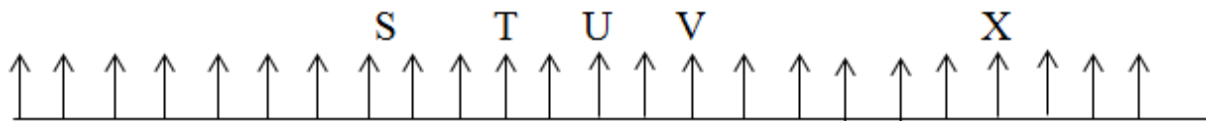**SOLUTION(46-50):**

Explanation in detail:

1. S sits eight from the left end of the line.
2. Only four people sits between S & U.
3. T sits second to the left of U.
4. V sits fourth to the right of T.
5. As many people sit between S and V as between V and X.

CASE1:

T X U   V   S

CASE2:

            S   T   U   V   X
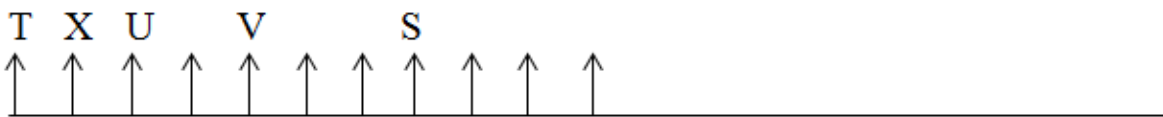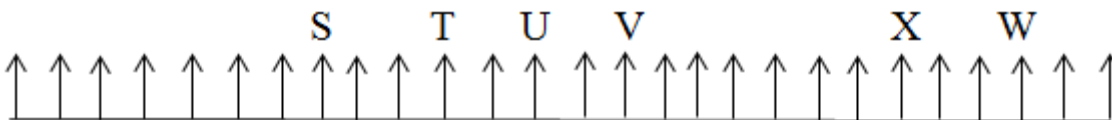
1. W sits third to the right of X.
2. The number of people sitting between S and T is same as that sitting to the right of W.

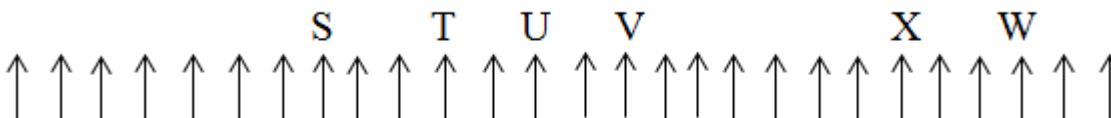**CASE1:**

T X U   V   S

CASE2:

            S   T   U   V   X   W

CASE1 is cancelled out because there is no space for W.

final arrangement:

            S   T   U   V   X   W

46. b
47. d
48. a
49. a
50. e

THE COMPLETE Static GK Capsule for Upcoming Exams

Check Here for Last 6 Months Current Affairs PDF

Click Here for More Expected Monthly Current Affairs Questions

Monthly Current Affairs PDF 2020- Click Here to Download

Monthly One Liner Current Affairs PDF - Download Now

Click Here to Join Our What's App Group & Get Instant Notification on Study Materials & PDFs

Click Here to Join Our Official Telegram Channel

Subscribe Our Yearly Mock Test Pack to Get 1000+ Mock Test for Bank+SSC+Railway Exams