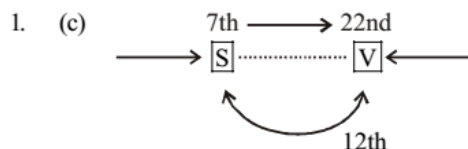# CHAPTER 8

Time Sequence, Number & Ranking Test

1. In a row of boys, Srinath is 7th from the left and Venkat is 12th from the right. If they interchange their positions, Srinath becomes 22nd from the left. How many boys are there in the row ? **(SSC CGL 1st Sit. 2010)**
   (a) 19   (b) 31
   (c) 33   (d) 34

2. If the day before yesterday was Sunday, what day will it be three days after the day after tomorrow ? **(SSC CGL 1st Sit. 2010)**
   (a) Sunday   (b) Monday
   (c) Wednesday   (d) Saturday

3. If the day after tomorrow is Sunday, what day was tomorrow's day before yesterday? **(SSC CGL 2nd Sit. 2010)**
   (a) Friday   (b) Thursday
   (c) Monday   (d) Tuesday

4. Suresh is 7 ranks ahead of Ashok in the class of 39 students. If Ashok's rank is 17th from the last, what is Suresh's rank from the start ? **(SSC CGL 2nd Sit. 2010)**
   (a) 16th   (b) 23th
   (c) 24th   (d) 15th

5. After 9'O clock at what time between 9 p.m. and 10 p.m. will the hour and minute hands, of a clock point in opposite direction? **(SSC CGL 2nd Sit. 2010)**
   (a) 15 min. past 9   (b) 16 min. past 9
   (c) $16\frac{4}{11}$ min. past 9   (d) $17\frac{1}{11}$ min. past 9

6. In a row of girls, Kamala is 9th from the left and Veena is 16th from the right. If they interchange their positions, Kamla becomes 25th from the left. How many girls are there in the row? **(SSC CGL 1st Sit. 2011)**
   (a) 34   (b) 36
   (c) 40   (d) 41

7. Suresh was born on 4th October 1999. Shashikanth was born 6 days before Suresh. The Independence Day of that year fell on Sunday. Which day was Shashikanth born? **(SSC CGL 1st Sit. 2011)**
   (a) Tuesday   (b) Wednesday
   (c) Monday   (d) Sunday

8. In a row of trees, a tree is 7th from left end and 14th from the right end. How many trees are there in the row? **(SSC CGL 2nd Sit. 2011)**
   (a) 18   (b) 19
   (c) 20   (d) 21

9. If John celebrated his victory day on Tuesday, 5th January 1965, when will he celebrate his next victory day on the same day? **(SSC CGL 2nd Sit. 2011)**
   (a) 5th January 1970   (b) 5th January 1971
   (c) 5th January 1973   (d) 5th January 1974

10. Sita is elder than Swapna. Lavanya is elder than Swapna but younger than Sita. Suvarna is younger than both Hari and Swapna, Swapna is elder than Hari. Who is the youngest ? **(SSC CGL 2nd Sit. 2011)**
    (a) Sita   (b) Lavanya
    (c) Suvarna   (d) Hari

11. In the alphabetical order A, B, C, D, ... Z, which letter is 11th to the left of the letter which is 4th to the right of T? **(SSC Sub. Ins. 2012)**
    (a) K   (b) O
    (c) I   (d) M

12. Among 5 boys, Vasant is taller than Manohar, but not as tall as Raju. Jayant is taller than Dutta but shorter than Manohar. Who is the tallest in the group? **(SSC CHSL 2012)**
    (a) Manohar   (b) Vasant
    (c) Jayant   (d) Raju

13. How many 9's are followed by and preceeded by numbers divisible by 2? **(SSC CGL 2nd Sit. 2012)**
    8 9 6 5 3 5 9 6 8 3 4 9 6 5 2 6 9 7 3 7 2 9 4 1 3 7 9 4 1 7 3 4 9 8
    4 5 3 9 7 6 1 5 3 1 9 5 7 4 2 9 6 8 5 3 2 9 5 7 4 8 9 4 5 1
    (a) 12   (b) 6
    (c) 8   (d) 10

14. In the following list of English alphabets, one alphabet has **not** been used. Identify the same.**(SSC CGL 2nd Sit. 2012)**
    X N F A P S R W L T M D E X M G B
    C X Q J L O P V R C Q J Z O H S G
    O D I P T S M R A B E F G N U N E
    (a) V   (b) I
    (c) K   (d) J

15. In a row at a bus stop, 'A' is 7th from the left and 'B' is 9th from the right. They both interchange their positions. Now A becomes 11 th from the left How many people are there in the row? **(SSC Sub. Ins. 2013)**
    (a) 10   (b) 20
    (c) 19   (d) 18

16. If the 5th date of a month is Tuesday, what date will be 3 days after the 3rd Friday in the month? **(SSC CHSL 2013)**
    (a) 17 (b) 22
    (c) 19 (d) 18

17. Sohan ranks seventh from the top and twenty-sixth from the bottom in a class. How many students are there in the class? **(SSC CHSL 2013)**
    (a) 33 (b) 34
    (c) 31 (d) 32

18. Roshan is taller than Hardik who is shorter than Susheel. Niza is taller than Harry but shorter than Hardik. Susheel is shorter than Roshan. Who is the tallest? **(SSC CGL 1st Sit. 2013)**
    (a) Roshan (b) Susheel
    (c) Hardik (d) Harry

19. G is fatter than H but not as fat as M. Q is also not as fat as M. Who is the most lean person in the group? **(SSC CGL 2nd Sit. 2013)**
    (a) Q (b) H
    (c) G (d) M

20. Priti scored more than Rahul. Yamuna scored as much as Divya. Lokita scored less than Manju. Rahul scored more than Yamuna. Manju scored less than Divya. Who scored the lowest? **(SSC CGL 1st Sit. 2013)**
    (a) Yamuna (b) Lokita
    (c) Rahul (d) Manju

21. If the day after-tomorrow is Sunday, which day was day-before-yesterday? **(SSC CGL 1st Sit. 2013)**
    (a) Thursday (b) Wednesday
    (c) Tuesday (d) Monday

22. The digits are given as below:
    562, 871, 438, 753
    If the position of the first and the third digits of each of the numbers are interchanged, which of the following will be the sum of the first and the second digits of the third highest number? **(SSC CGL 1st Sit. 2013)**
    (a) 9 (b) 7
    (c) 6 (d) 8

23. Veni is an year older than Smith. Smith is two years older than Salim. Raju is an year older than Salim. Who is the youngest of all? . **(SSC CGL 1st Sit. 2013)**
    (a) Raju
    (b) Salim
    (c) Veni
    (d) Smith

24. In a line, Naresh is 17th from the left & 22nd from the right. How many students are there in the line? **(SSC CHSL 2015)**
    (a) 40 (b) 38
    (c) 39 (d) 37

25. In a class of 45, Neha's rank is 15th from first, what is her rank from the last? **(SSC CHSL 2015)**
    (a) 30 (b) 32
    (c) 33 (d) 31

26. If Ramya's rank is 22nd out of 46 students. What is her rank from the last? **(SSC CHSL 2015)**
    (a) 29 (b) 32
    (c) 25 (d) 26

27. In a row of men, Manoj is 30th from the right and Kiran is 20th from the left. When they interchange their position, Manoj becomes 35th from the right. What is the total number of men in the row? **(SSC CGL 1st Sit. 2015)**
    (a) 45 (b) 44
    (c) 54 (d) 34

28. Kathir is senior of Ganesh. Ganesh is senior of Apparu. Apparu is junior of Raju. Raju is junior of Ganesh. Who is the most senior? **(SSC CGL 1st Sit. 2016)**
    (a) Ganesh (b) Raju
    (c) Kathir (d) Apparu

29. In a row of students, if John, who is 16th from the left, and Johnson, who is 8th from the right, interchange their positions, John becomes 33rd from left. How many students are there in a row? **(SSC CGL 1st Sit. 2016)**
    (a) 38 (b) 39
    (c) 40 (d) 41

30. X is elder than Z, Y is younger than Z, Z is elder than W. W is younger than X, who is the eldest? **(SSC Stenographer 2016)**
    (a) W (b) Z
    (c) X (d) Y

31. In a class the students are standing in a row. A student is 11th from the right end and 9th from the left end. How many students are standing in that row? **(SSC Stenographer 2016)**
    (a) 19 (b) 20
    (c) 21 (d) 18

32. A is elder to B while C and D are elder to E, who lies between A and C. If C is elder to B, who is the youngest? **(SSC Sub. Ins. 2016)**
    (a) A (b) C
    (c) B (d) D

33. There are 45 trees in a row. The lemon tree is 20th from right end. What is the rank of lemon tree from left end? **(SSC CGL 2017)**
    (a) 26 (b) 24
    (c) 25 (d) 27

34. Priyank ranks 6th from the bottom and 28th from the top in a class. How many students are there in the class? **(SSC Sub. Ins. 2017)**
    (a) 31 (b) 32
    (c) 33 (d) 34

35. In a row of people Manu is 7th from bottom end of row. Shrey is 10 ranks above Manu. If shrey is 8th from top, then how many people are there in this row?(SSC Sub. Ins. 2017)
    (a) 25
    (b) 26
    (c) 24
    (d) 23

36. In a class, there are 40 students. Some of them passed the examination and others failed. Raman's rank among the student who have passed is 13th from top and 17th from bottom. How many students have failed?(SSC Steno. 2017)
    (a) 11
    (b) 10
    (c) 9
    (d) Cannot be determined

37. If it was a Friday on 1 January 2016, what was the day of the week on 31 December 2016?   (SSC CHSL 2018)
    (a) Saturday
    (b) Friday
    (c) Monday
    (d) Sunday

38. In a shopping mall, five water bottles labeled as A, B, C, D and E were placed in a rack.   (SSC Stenographer 2018)
    The bottle A has less price than the bottle B. The bottle C has less price than the bottle D. The bottle B has less price than the bottle C and bottle A has more price than the bottle E.

    If a costumer want to buy a bottle of maximum price, then which bottle he/she has to buy?
    (a) D   (b) B   (c) C   (d) A

39. Five articles, bat, ball, fan, table and chair, are kept one above the other (not necessarily in the same order). The bat is four places above the fan. The table is between the ball and the chair. The chair is three places below the bat.
    Which article is at the second position from the top?
                                                        (SSC MTS 2019-20)
    (a) Fan
    (b) Table
    (c) Ball
    (d) Chair

40. Six persons P, Q, R, S, T and U read a magazine one after another.   (SSC MTS 2020-21)

I. S was neither the first nor the last to read it.
II. There were as many readers between P and T as there were between R and P.
III. S read it sometime before Q, who read it sometime after U.
IV. The one who read it last had taken it from R.

Who were the two persons to have read the magazine first and last, respectively?
    (a) T and Q
    (b) P and Q
    (c) T and U
    (d) P and U

41. 19 persons are standing in a queue.   (SSC MTS 2020-21)
    I. Manish is 7th from the back.
    II. Rinku is exactly in the middle fo Manish and Seema.
    III. Seema and Rinku have three persons between them.
    What is the position of Seema from the front?
    (a) 5th
    (b) 4th
    (c) 6th
    (d) 7th

42. Among five pencils, A, B, C, D and E, the length of D is 10 cm. A is half the length of D but double the length of C. E is 2 cm longer than C. The length of B is equal to the lengths of A and E taken together. Which is the longest pencil?
                                                (SSC Stenographer 2020-21)
    (a) E
    (b) D
    (c) B
    (d) C

43. Among five objects P, Q, R, S and T, Q is twice as heavy as P. S is twice as heavy as Q. R is half as heavy as T. T is equally as heavy as Q. Which is the heaviest among all five objects?
                                                (SSC Stenographer 2020-21)
    (a) Q
    (b) S
    (c) T
    (d) R

44. If 18 October 2006 was Wednesday, then what was the day of the week on 17 October 2000?
                                                (SSC Sub-Inspector 2020-21)
    (a) Tuesday
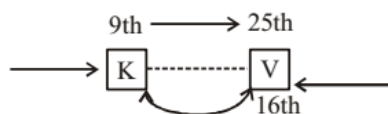   (b) Wednesday
    (c) Monday
    (d) Sunday

Hints & Solutions

1. **(c)**

7th ──────→ 22nd

──────→ ⬚S⬚ ·············· ⬚V⬚ ←──────

12th

Total number of boys in the row

$= 22 + 12 - 1 = \boxed{33}$

2. **(a)** Day before yesterday was Sunday.
Therefore, today is Tuesday.
Day after tomorrow will be Thursday.
Thursday + 3 = Sunday

3. **(b)** The day after tomorrow is Sunday.
Therefore, today is Friday.
The day on tomorrow's day before yesterday = Friday
− 1 = Thursday

4. **(a)** 17th from the last will be 23rd from starting when total
student 39. And Suresh is 7 rank ahead of Ashok. Hence
his rank will be 16th.

5. **(c)** At 9 O'clock, the minute hand is $9 \times 5 = 45$ minute −
spaces behind the hour hand. Therefore, the minute
hand will have to gain $45 - 30 = 15$ minute space over
the hour hand.
∵ Gain of 55 minute spaces equal 60 minutes.
∴ Gain of 15 minute spaces equals

$= \dfrac{60}{55} \times 15 = \dfrac{180}{11} = 16\dfrac{4}{11}$

Therefore, hour and minute hands of a clock point in
opposite direction after 9 O'clock at $16\dfrac{4}{11}$ minutes past 9.

6. **(c)** Here,

9th ──────→ 25th

──────→ ⬚K⬚ ·············· ⬚V⬚ ←──────

16th

Total no. of girls $= 25 + 16 - 1 = 40$

7. **(b)** Shashikant was born on 29th September 1999.
15th August, 1999 was Sunday.
Days upto 29th September from 15 August
$16 + 29 = 45$ days = 6 weeks 3 odd days
Sunday + 3 = Wednesday.

8. **(c)** Total number of trees in the row $= 14 + 7 - 1 = 20$

9. **(b)** 5 January 1965 ⇒ Tuesday
5 January 1966 ⇒ Wednesday
5 January 1967 ⇒ Thursday
5 January 1968 ⇒ Friday

5 January 1969 ⇒ Sunday
Since, 1968 is a leap year.
5 January 1970 ⇒ Monday
5 January 1971 ⇒ Tuesday

10. **(c)** Sita > Swapna .... (i)
   S   Sw
S > Lavanya > Sw .... (ii)
       L
Hari, Sw > Suvarna .... (iii)
 H   Su
Sw > H .... (iv)
From all the statements :
S > L > Sw > H > Su

11. **(d)**

11 Left of T

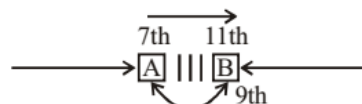A B C D E F G H I J K L ⬚M⬚ N O P Q R S ⬚T⬚ U V W ⬚X⬚ Y Z

4th right of T

Letter M is 11th to the left of the letter which is 4th to
the right of T.

12. **(d)** According to given condition; the correct order is :
Raju > Vasant > Manohar > Jayant > Dutta
∴ Raju is the tallest among them.

13. **(b)** ⬚896⬚ 5359683 ⬚496⬚ 5269737
⬚294⬚ 13794173 ⬚498⬚
45397615319574 ⬚296⬚
658329574 ⬚894⬚ 51

14. **(c)** X N F A P S R W L T M D E X
M G B C X Q ⬚J⬚ L O P ⬚V⬚ R C
Q ⬚J⬚ Z O H S G O D ⬚I⬚ P T S
M R A B E F G N U N E
There is no 'K' letter.

15. **(c)**

7th   11th
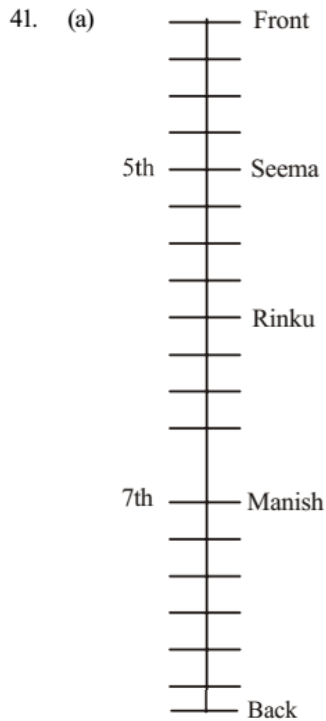
──────→ ⬚A⬚ ||| ⬚B⬚ ←──────

9th

Total number of people in the row $= 11 + 9 - 1 = 19$

16. **(d)** 5th date of a month is Tuesday.
Friday will be on $= 5 + 3$
$= 8^{th}$ of a month
1st Friday is on 1st of a month
2nd Friday is on 8th of a month
3rd Friday will be on 15th of a month
3 days after 15th $= 15 + 3 = 18$

17. (d) Clearly, number of students in the class
$(26+7-1)=32$

18. (a) Roshan, Susheel > Hardik
Hardik > Niza > Harry
Roshan > Susheel
Roshan > Susheel > Hardik > Niza > Harry
Therefore, Roshan is the tallest.

19. (b) $M > G > H$
$M > Q$
H is the most lean person in the group

20. (b) Priti > Rahul
Rahul > Yamuna = Divya
Manju > Lokita
Divya > Manju
Now, Priti > Rahul > Yamuna = Divya > Manju > Lokita
Therefore, Lokita scored the lowest.

21. (c) Tuesday was the day before yesterday. Below figure shows the days pattern:

Tuesday ← day before yesterday

Thursday ← day (current)

Sunday ← day after tomorrow

22. (d) Arranging digits according to question.
$265, 178, 834, 357$
Hence, third highest would be 265 and 8 be the sum of first and second digits of the number.

23. (b) Suppose the age of Salim is x years
Age of Raju = x + 1 year
Age of Smith = x + 2 years
Age of Veni = x + 3 years
Therefore, Salim is the youngest of all.

24. (b) Naresh is 17th from left and 22nd from the right.
So, total number of students in the line = 17 + 22 − 1 = 38

25. (d) Total number of students in the class = 45.
Neha's rank from first = 15th
So number of students from the last = 45 − (1 + 14) = 30
So, Neha's rank from the last is 31st.

26. (c) Total number of students in the class = 46
Ramya's rank from start = 22nd
So Ramya's rank from last = (46 − 22 + 1) = 25th

27. (c) Original Position:

Kiran   Manoj

20th from the left   30th from the right

Position after Interchange:

35th from the right

Total Number of Students = 35 + 20 − 1
= 55 − 1 = 54

28. (c) Kathir > Ganesh > Raju > Apparu
Kathir is the senior most

29. (c) When John interchange his position, new Position will be 33 from left and 8 from Right
Total = 33 + 8 − 1 = 40

30. (c) $X > Z$ −(i)
$Z > Y$ −(ii)
$Z > W$ −(iii)
$X > W$ −(iv)
Order will be
$X > Z > W > Y$
So, X is the eldest

31. (a) Total no. of student = 11 + 9 − 1 = 19

32. (c) C and D > E > A > B
So, B is the youngest.

33. (a) Required rank of lemon tree = (45 + 1) − 20
= 26.

34. (c) Priyank is 6th from the bottom 28th from top.
So, total number of students = 6 + 28 − 1 = 33

35. (c) Manu's rank from bottom end = 7th
Shrey's rank from bottom end = (7 + 10) = 17th
Shrey's rank from top end = 8th
∴ Total number of people = (17 + 8 − 1) = 24

36. (a) Total number of students who have failed
= (40 + 1) − (13 + 17)
⇒ (41 − 30) = 11

37. (a) Year 2016 'was a leap year'.
∴ Number of days in 2016 = 366.
= 52 weeks + 2 odd days
Now, 1st January 2016 was Friday
So, 30th December, 2016 was also Friday.
Hence, 31th December, 2016 was Saturday.

38. (a) D > C > B > A > E
    ↓   ↓
Maximum   Minimum
  Price   price
So, Bottel D has maximum price.

39. (c) Ball is at the second position from the top.

Bat
↑
Ball
↑
Table
↑
Chair
↑
Fan

40. (a) T → S → P → U → R → Q
First   Last

41. (a)

	Front
5th	Seema
	Rinku
7th	Manish
	Back

Hence, Seema's position is 5th from the front.

42. (b) $D = 10$ cm

$A = \dfrac{10}{2} = 5$ cm

$A = 2C$

$C = \dfrac{5}{2} = 2.5$ cm

$E = 2 + 2.5 = 4.5$ cm

$B = A + E = 5 + 4.5$

$B = 9.5$ cm

Longest pencil $= D$ (10 cm)

43. (b) $Q = 2P$

$S = 2Q$

$R = \dfrac{T}{2}$

$T = Q$

S is heaviest among all five objects.

44. (a) 18 october 2006 was wednesday.

Number of odd days between 18 october 2006 and 17 october 2000.

$= 1 + 1 + 2 + 1 + 1 + 1 + 1 = 8$ days

So, 17 october 2000 was tuesday.