

# 7

CHAPTER

## Time Sequence, Number & Ranking Test

- Among A, B, C, D and E each having different weight, D is heavier than only A and C is lighter than B and E. Who among them is the heaviest? (SBI PO 2010)  
(a) B (b) E  
(c) C (d) Data inadequate  
(e) None of these
- Each odd digit in the number 5263187 is substituted by the next higher digit and each even digit is substituted by the previous lower digit and the digits so obtained are rearranged in ascending order, which of the following will be the third digit from the left end after the rearrangement? (SBI PO 2010)  
(a) 2 (b) 4 (c) 5 (d) 6  
(e) None of these
- Pratap correctly remembers that his mother's birthday is before twenty third April but after nine tenth April, whereas his sister correctly remembers that their mother's birthday is not on or after twenty second April. On which day in April is definitely their mother's birthday? (SBI PO 2010)  
(a) Twentieth  
(b) Twenty-first  
(c) Twentieth or twenty-first  
(d) Cannot be determined  
(e) None of these
- The positions of how many digits in the number 59164823 will remain unchanged after the digits are rearranged in descending order within the number? (SBI PO 2010)  
(a) None (b) One (c) Two (d) Three  
(e) More than three
- If the digits in the number 79246358 are arranged in descending order from left to right, what will be the difference between the digits which are third from the right and second from the left in the new arrangement? (SBI Clerk 2011)  
(a) 1 (b) 2 (c) 3 (d) 4  
(e) 5
- How many such pairs of letters are there in the word highlighted in **bold**, each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical order?  
(a) None (b) One (c) Two (d) Three  
(e) Four
- If the first alphabet of each of the words is changed to the next alphabet in the English alphabetical series, how many meaningful English words will be formed?  
(a) One (b) Two (c) Three (d) Four  
(e) Five
- If the given words are arranged in the order as they would appear in the dictionary from left to right, which of the following would be fourth from the left?  
(a) RAT (b) ONE (c) BUT (d) AND  
(e) SAW
- If in each of the given words, only the consonants are changed to the next letter in the English alphabetical series and the vowels are retained, in how many words thus formed will the vowels appear twice or more times? (same or different vowels)  
(a) None (b) One (c) Two (d) Three  
(e) Four
- If the digits in the number 25673948 are arranged in ascending order from left to right, what will be the sum of the digits which are fourth from the right and third from the left in the new arrangement? (SBI Clerk 2011)  
(a) 10 (b) 9 (c) 4 (d) 6  
(e) 8

**DIRECTIONS (Qs. 12-16) : The following questions are based on the five three digit numbers given below:**

(SBI Clerk 2011)

612 589 743 468 297

**DIRECTIONS (Qs. 6-10) : The following questions are based on five words given below:**

(SBI Clerk 2011)

**RAT ONE BUT AND SAW**

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

- If in each of the given words, each alphabet is changed to the next letter in the English alphabetical series, in how many words thus formed have the consonants changed to vowels?  
(a) One (b) Two (c) Three (d) Four  
(e) Five
- If two is added to the first digit of each of the numbers, how many numbers thus formed will be completely divisible by three?  
(a) None (b) One (c) Two (d) Three  
(e) Four
- If the position of the second and the third digits of each of the numbers are interchanged, in how many numbers thus formed will the last digit be a perfect square? ('1' is also a perfect square)  
(a) One (b) Two (c) Three (d) Four  
(e) Five
- What will be the resultant if the third digit of the second lowest number is divided by the second digit of the highest number?  
(a) 4 (b) 1 (c) 6 (d) 5  
(e) 2

15. If all the digits in each of the numbers are arranged in descending order within the number, which of the following will form the highest number in the new arrangement of numbers?  
 (a) 612 (b) 589 (c) 743 (d) 468  
 (e) 297
16. If all the numbers are arranged in ascending order from left to right, which of the following will be the sum of all the three digits of the number which is second from the right of the new arrangement thus formed?  
 (a) 14 (b) 9 (c) 18 (d) 16  
 (e) 12
17. The positions of how many digits in the number 837912 will remain unchanged after the digits within the number are rearranged in descending order? (From left to right)  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three

**DIRECTIONS (Qs. 18-22): Study the following arrangement of numbers, letters and symbols carefully and answer the questions given below:**

(IBPS Clerk 2011)

R@29TVAY5©#J1P8Q\$E3\*H%6W4IδUZ

18. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one That does not belong to that group?  
 (a) JP© (b) EQ\* (c) WI% (d) 9V@  
 (e) 1#5
19. Which of the following is the fifth to the right of the nineteenth element from the right end?  
 (a) J (b) V (c) W (d) 8  
 (e) None of these
20. How many such numbers are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a symbol ?  
 (a) One (b) Two (c) Three (d) Four  
 (e) More than four
21. If the positions of the last eighteen elements in the above arrangement are reversed, which of the following will be the seventeenth from the left end ?  
 (a) H (b) P (c) W (d) 6  
 (e) None of these
22. How many such vowels are there in the above arrangement, each of which is either immediately followed by a symbol or immediately preceded by a symbol ?  
 (a) None (b) One (c) Two (d) Three  
 (e) Four
23. The positions of how many digits in the number 523169 will remain unchanged if the digits within the number are written in ascending order (from right to left)?  
 (a) One (b) Two (c) Three (d) Four  
 (e) More than four

**DIRECTIONS (Qs. 24–28): Study the following arrangement of numbers, letters and symbols carefully and answer the questions given below:**

(IBPS Clerk 2011)

R 4 \$ M E 7 T # A 2 J @ U K 9 P I % 1 8 Q W 3 D Z  
 5 H N 6 F © V G

24. Which of the following should come in place of question mark (?) in the following series based on the elements in the above arrangement?  
 M \$ 7 A # J K U P ?  
 (a) 1 % W (b) 1 I Q (c) 1 I W (d) 1 % Q  
 (e) None of these
25. How many such symbols are there in the above arrangement, each of which is immediately preceded by a consonant and also immediately followed by a vowel?  
 (a) None (b) One (c) Two (d) Three  
 (e) Four
26. How many such numbers are there in the above arrangement, each of which is immediately followed by a consonant but not immediately preceded by a letter?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
27. If the positions of twenty five elements from the right end are reversed, which of the following will be the sixteenth element from the left end?  
 (a) Z (b) P (c) W (d) Q  
 (e) None of these
28. Which of the following is the eighth to the left of the twenty-third element from the left end of the above arrangement?  
 (a) 9 (b) 1 (c) \$ (d) ©  
 (e) None of these
29. How many digits in the number 5279143 will be as far away from the beginning of the number as when the digits are rearranged in ascending order from left to right within the number?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
30. How many such pairs of digits are there in the number '5391246' in both forward and backward directions, each of which has as many digits between them in the number as when the digits are arranged in ascending order within the number?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three

**DIRECTIONS (Qs. 31-35): Study the following arrangement of numbers, letters and symbols carefully and answer the questions given below:**

(IBPS Clerk 2011)

IB@K9D©52T\$M4EJ#UR1AδK5W6%FQ7HP8Z

31. How many such symbols are there in the above arrangement, each of which is immediately preceded by a letter but not immediately followed by a letter?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
32. Which of the following is ninth to the right of the twentieth element from the right end of the above arrangement?  
 (a) 9 (b) 7 (c) \$ (d) 5  
 (e) None of these

33. Which of the following should come in place of question mark (?) in the following series based on the elements in the above arrangement?  
K9D T\$M #UR ?  
(a) δKW (b) δK5 (c) δ56 (d) δW6  
(e) None of these
34. How many such consonants are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a symbol?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
35. How many such numbers are there in the above arrangement each of which is immediately followed by a symbol but not immediately preceded by a consonant?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
36. The positions of how many digits in the number 5314687 will remain unchanged after the digits are rearranged in ascending order within the number? (IBPS Clerk –2011)  
(a) None (b) One (c) Two (d) Three  
(e) More than three
37. Among five friends, P, Q, R, S and T, each scored different marks in the examination. P scored more than Q but less than R. S scored more than only T. Who amongst the following scored the second highest marks? (SBI PO 2011)  
(a) P (b) Q (c) R (d) S  
(e) T
38. In a class of 25 students. Lata's rank is 13th from the top and Parul's rank is 19th from the bottom. If Vishal's rank is exactly between Lata's and Parul's rank what is Vishal's rank from the top? (IBPS Clerk 2012)  
(a) 10th (b) 8th (c) 9th (d) 7th  
(e) Cannot be determined

**DIRECTIONS (Qs. 39 - 43): Study the following arrangement of consonants, vowels, numbers and symbols carefully and answer the questions given below:**

(IBPS Clerk 2012)

H @ F ! 3 U 6 % G I T \* P L 8 \$ ^ 9 S 2 7 & A M K + J © D 4 # 5 & E

39. Which of the following is ninth to the right of the twentieth from the right end of the above arrangement?  
(a) K (b) M (c) U (d) A  
(e) None of these
40. How many such consonants are there in the above arrangement, each of which is immediately preceded by a symbol and also immediately followed by a symbol?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
41. If all the symbols are dropped from the arrangement, which of the following will be the twelfth from the left end?  
(a) 9 (b) 2 (c) S (d) 7  
(e) None of these

42. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that **does not** belong to the group?  
(a) L\$8 (b) AKM (c) @!F (d) 6%G  
(e) JD©
43. What should come in place of the question mark (?) in the following series based on the above arrangement  
F3U %IT L\$ ^ ?  
(a) 927 (b) 7&A (c) 7AM (d) 2&A  
(e) 27&

**DIRECTIONS (Qs. 44-45): Read the following information carefully and answer the questions which follow:**

(RBI Assistant 2012)

Among A, B, C, D and E each scored different marks in an examination. Only one person scored more than C. E scored more than A but less than D. D did not score the highest marks. The one who scored the second lowest, scored 71 % marks. C scored 92% marks.

44. Who amongst the following is most likely to have scored 87% marks?  
(a) A (b) B (c) D (d) E  
(e) Either A or D
45. Which of the following percentages is most likely to be B's percentage in the exam?  
(a) 68% (b) 71% (c) 84% (d) 76%  
(e) 97%

**DIRECTIONS (Qs. 46-50): Following questions are based on five words given below :**

(SBI Clerk 2012)

WIT BAR URN ELF TOP

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words)

46. If in each of the words, all the alphabets are arranged in English alphabetical order within the word, how many words will NOT begin with a vowel?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
47. How many letters are there in the English alphabetical series between second letter of the word which is second from the right and the third letter of the word which is third from the left of the given words?  
(a) One (b) Two (c) Three (d) Four  
(e) Five
48. If in each of the given words, each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will no vowels appear?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
49. If the each alphabet in each of the words is changed to the next alphabet in the English alphabetical order, how many words having two vowels (same or different vowels) will be formed?  
(a) None (b) One (c) Two (d) Three  
(e) Four

50. If the given words are arranged in the order as they would appear in a dictionary from left to right, which of the following will be fourth from the left ?  
 (a) WIT (b) BAR (c) URN (d) ELF  
 (e) TOP

**DIRECTIONS (Qs. 51-53) : Study the following information to answer the given question.**

(SBI Clerk 2012)

Amongst five friends, A, B, C, D and E, each bought a mobile phone for a different price. A paid more than both C and E. Only B paid more than D. E did not pay the minimum amount. E paid ₹ 8,000 for the phone.

51. Which of the following is true with regard to the given information?  
 (a) Only two people paid a price less than the price paid by B  
 (b) E paid more than C and B  
 (c) No one paid more amount than that paid by C  
 (d) Amongst the five friends, C is most likely to have paid ₹ 9,000 for the mobile phone  
 (e) None is true
52. If D paid ₹ 17,000 more than the price paid by E, which of the following could possibly be the amount paid by A ?  
 (a) ₹ 35,000/- (b) ₹ 16,000/-  
 (c) ₹ 7,500/- (d) ₹ 26,000  
 (e) ₹ 6,500
53. Who paid the third highest amount for the mobile phone ?  
 (a) A (b) B (c) C (d) D  
 (e) E

**DIRECTIONS (Qs. 54-58) : Study the following arrangement carefully and answer the questions given below :**

(SBI Clerk 2012)

**B U B D C E D B D E U B A D C B E A C D A E B A U A C D B C A C**

54. How many such pairs of alphabets are there in the series of alphabets given in BOLD (A to E) in the above arrangement each of which has as many letters between them (in both forward and backward directions) as they have between them in the English alphabetical series ?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
55. Which of the following is the eighth to the left of the twentieth from the left end of the above arrangement ?  
 (a) C (b) E (c) U (d) B  
 (e) A
56. How many meaningful words can be formed with the alphabets which are first, second, fifth and sixth from the left end of the above arrangement ?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
57. How many such consonants are there in the above arrangement each of which is immediately preceded by a vowel and also immediately followed by a consonant ?  
 (a) One (b) Two (c) Three (d) Four  
 (e) More than Four

58. If all A's are dropped from the above arrangement, which of the following will be eleventh from the right end of the above arrangement ?  
 (a) E (b) C (c) D (d) U  
 (e) None of these

**DIRECTIONS (Qs. 59-61): Study the given information carefully and answer the given questions.**

(SBI Clerk 2012)

Among six people - A, B, C, D, E and F each of a different age, A is younger than only D. Only three people are younger than C. F is younger than E. F is not the youngest.

59. Who amongst the following is the youngest?  
 (a) B (b) A (c) E (d) C  
 (e) None of these
60. If E's age 16 years, then which of the following may be B's age?  
 (a) 19 years (b) 22 years (c) 18 years (d) 17 years  
 (e) 12 years
61. How many people are younger than E?  
 (a) One (b) Two (c) Three (d) Four  
 (e) More than four
62. The positions of the first and the fifth digits of the number 81943275 are interchanged. Similarly the positions of the second and the sixth digits are interchanged and so on till the fourth and the eighth digits. Which of the following will be the third digit from the right end after the rearrangement ?  
 (a) 1 (b) 9 (c) 2 (d) 4  
 (e) None of these

(IBPS SO 2012)

**DIRECTIONS (Qs. 63-67) : Study the following arrangement carefully and answer the questions given below :**

(IBPS SO 2012)

**M 3 # R A T 1 E J \$ K @ F U 5 4 V I 6 © D 8 ★ H N 7 δ 2 W**

63. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that **does not** belong to that group ?  
 (a) TER (b) U4@ (c) 6DV (d) J1K  
 (e) Nδ★
64. How many such numbers are there in the above arrangement, each of which is immediately preceded by a letter but **not** immediately followed by a letter ?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
65. What should come in place of the question mark (?) in the following series based on the above arrangement ?  
 RT1 \$@F 4I6 ?  
 (a) 8 ★H (b) 8HN (c) 8H7 (d) D ★H  
 (e) None of these
66. How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a letter ?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
67. Which of the following is the seventh to the left of the twentieth from the left end of the above arrangement ?  
 (a) V (b) @ (c) δ (d) ©  
 (e) None of these

**DIRECTIONS (Qs. 68- 72) : Study the following arrangement carefully and answer the questions.**

(IBPS Clerk 2013)

CEBACDBCDA**CEBED**DCABAD**ACED**UBAUBD  
BU

68. How many such pairs of alphabets are there in the series of alphabets given in BOLD (D to C) in the given arrangement each of which has as many letters between them (in both forward and backward directions) as they have between them in the English alphabetical series?  
(a) Three (b) One (c) Two (d) None  
(e) More than three
69. Which of the following is the ninth to the right of the twenty-second from the right end of the given arrangement?  
(a) D (b) E (c) B (d) C  
(e) U
70. If all the alphabets of the series are written in reverse order, then which of the following will be 8th to the right of the 7th from the left end of the series?  
(a) A (b) B (c) C (d) D  
(e) None of these
71. How many such A's are there in the given arrangement each of which is immediately preceded by a 'B' and also immediately followed by a consonant?  
(a) One (b) None  
(c) More than three (d) Two  
(e) Three
72. How many such D's are there in the given arrangement each of which is immediately preceded by a consonant and also immediately followed by a vowel?  
(a) More than four (b) Four  
(c) Two (d) Three  
(e) One

**DIRECTIONS (Qs. 73-75) : Study the following information carefully to answer the given questions :**

(Indian Overseas PO 2013)

There are six people – P, Q, R, S, T and U – each having different weight. P is heavier than U but lighter than Q. T is heavier than R but lighter than P. Q is lighter than S. R is not the lightest. The second lightest person weight 52 kilogram while the third heaviest is 64 kilogram.

73. Who among the following may be of 58 kilogram in weight?  
(a) P (b) Q (c) T (d) R  
(e) U
74. How many persons are heavier than R?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
75. Which of the following may represent the weight of Q?  
(a) 62 kg (b) 66 kg (c) 60 kg (d) 58 kg  
(e) 56 kg
76. How many such 6s are there in the following number series, each of which is immediately preceded by 1 or 5 and immediately followed by 3 or 9?  
2 6 3 7 5 6 4 2 9 6 1 3 4 1 6 3 9 1 5 6 9 2 3 1 6 5 4  
3 2 1 9 6 7 1 6 3 (IBPS SO 2013)  
(a) None (b) One (c) Two (d) Three  
(e) None of these

77. Among P, Q, R, S, T and U. R is taller than only P and U. S is shorter than only T and Q. If each of them has a different height, who among them will be the third from top when they are arranged in descending order of their height?

(IBPS SO 2013)

- (a) R (b) P (c) S (d) Q  
(e) None of these
78. How many such 7s are there in the following number sequence each of which is immediately preceded by 5 and not immediately followed by 8?  
2 3 5 7 8 9 3 4 5 7 6 1 9 3 5 7 4 8 3 2 5 7 8 8 9 2 5 (IBPS SO 2013)  
(a) None (b) One (c) Two (d) Three  
(e) More than three
79. If it is possible to form a number with the first, the fourth and the seventh digits of the number 4671358, which is the perfect square of a two-digit odd number, which of the following will be the digit in the tenth place of that two digit odd number? If no such number can be formed, give 'O' as the answer and if more than one such number can be made, give 'X' as the answer. (RBI Assistant 2013)  
(a) 2 (b) 9 (c) 3 (d) O  
(e) X
80. Among P, Q, R, S and T. Q is younger than only S and R and older than T. Who among them is the oldest?  
(RBI Assistant 2013)  
(a) S (b) R  
(c) P (d) Data inadequate  
(e) None of these

**DIRECTIONS (Qs. 81-85) : Study the following arrangement carefully and answer the question given below :**

(IBPS Clerk 2014)

- R 2 % M 3 E J # P 4 A ★ 9 6 @ UT 7 © I 1 Q 5 \$ W 8 V N B
81. How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a consonant?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
82. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?  
(a) ME% (b) 4★P (c) 7IT (d) WV5  
(e) T©U
83. How many such numbers are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a vowel?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
84. If all the numbers in the above arrangement are dropped, which of the following will be the eighth from the left end?  
(a) ★ (b) A (c) # (d) ©  
(e) None of these
85. What should come in place of question mark (?) in the following series based on the above arrangements?  
MEJ, PA★, 6UT, ?  
(a) IQ\$ (b) IQ5 (c) ©I5 (d) ©1Q  
(e) None of these

86. How many such digits are there in the number 836257419, each of which is as far away from the beginning of the number as when the digits are rearranged in ascending order within the number? **(SBI PO 2014)**  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three

**DIRECTIONS (Qs. 87-88) : Study the following information carefully and answer the questions given below :**

**(SBI PO 2014)**

There are five statues - L, M, N, O and P - each of them having different height. Statue L is smaller than only statue M. Statue O is smaller than statue N. Statue O is longer than statue P. The height of the tallest statue is 20 feet. The height of the second smallest statue is 11 feet.

87. What Will be the height of statue P?  
 (a) 13 feet (b) 15 feet (c) 9 feet (d) 12 feet  
 (e) 14 feet
88. What Will be the height of the third tallest statue?  
 (a) 13 feet (b) 10 feet (c) 19 feet (d) 9 feet  
 (e) 11 feet
89. In the alpha-numerical sequence/series given below, how many numbers are there which are (i) immediately followed by a letter at the even place in English alphabet and (ii) not immediately preceded by a letter at the odd place in the English alphabet? **(IBPS SO 2014)**  
 W 2 N 1 V 9 G 2 P 4 X 6 K 7 R 1 T 8 L 3 H 5 Q 8 U 2 J  
 (a) 3 (b) 5 (c) 2 (d) 4  
 (e) None of these
90. Vikas walked 10 metres towards North, took a left turn and walked 15 metres, and again took a left turn and walked 10 metres and stopped walking. Towards which direction was he facing when he stopped walking? **(IBPS SO 2014)**  
 (a) South (b) South-West  
 (c) South-East (d) Cannot be determined  
 (e) None of these
91. If every third letter from the following English alphabet is dropped, which letter will be seventh to the right of eleventh letter from your right? **(IBPS SO 2014)**  
 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  
 (a) V (b) U (c) K (d) I  
 (e) None of these

**DIRECTIONS (Qs. 92-94): Study the following five numbers and answer the questions given below.**

**(IBPS Clerk 2015)**

517 325 639 841 792

92. What will be last digit of the third number from top when they are arranged in descending order after reversing the position of the digits within each number?  
 (a) 7 (b) 3 (c) 5 (d) 2  
 (e) None of these
93. What will be the middle digit of the second lowest number after the position of only the first and the second digits within each number are interchanged?  
 (a) 5 (b) 2 (c) 7 (d) 3  
 (e) None of these

94. What will be the first digit of the second highest number after the position of only the second and the third digits within each number are interchanged?  
 (a) 7 (b) 2 (c) 8 (d) 9  
 (e) None of these

**DIRECTIONS (Qs. 95-96): These questions are based on the letter-digit-symbol sequence given below.**

**(IBPS Clerk 2015)**

@ 5 # B C 2 4 E φ A 3 θ K 6 β T R 7 M 8 Δ 6

95. How many digits are there which are immediately preceded by a letter and immediately followed by a symbol?  
 (a) Four (b) Two (c) Five (d) Three  
 (e) More than five
96. Four out of the following five are alike in a particular pattern and hence form a group. Find the one which does not belong to that group.  
 (a) B 2 E (b) φ 3 K (c) β R M (d) K β 7  
 (e) 5 B 2
97. In a class of 90, where girls are twice that of boys, Shridar ranked fourteenth from the top, if there are 10 girls ahead of Shridar, how many boys are after him in rank?  
 (a) 23 (b) 26 (c) 25 (d) 22  
 (e) None of these
98. Anish's mother remember that her wedding day after 10th February 2010, but before 20<sup>th</sup> February 2010. According to her brother after 13<sup>th</sup> February 2010 but before 17<sup>th</sup> February 2010. Anish wedding day on which date? (Note: DATE Should be odd number) **(IBPS Clerk 2015)**  
 (a) February 12 (b) February 13  
 (c) February 14 (d) February 15  
 (e) February 16

**DIRECTIONS (Qs. 99-103) : Study the following arrangement carefully and answer the following questions given below.**

**(IBPS Clerk 2015)**

E 4 B % R 3 A 6 # F H @ I 2 D 9 © K U \$ W 1 M P 5 \* Q 8 T

99. If all the numbers are dropped from the above arrangement, which of the following will be the ninth to the left of W?  
 (a) A (b) # (c) R (d) ©  
 (e) None of these
100. How many such numbers are there in the above arrangement each of which is immediately preceded by a symbol and immediately followed by a letter?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
101. Which of the following is the fifth to the right of the eighteenth from the right end of the above arrangement.  
 (a) © (b) I (c) A (d) M  
 (e) None of these
102. Which of the following is the fourth to the right of twelfth from the left end of the above arrangement?  
 (a) 2 (b) D (c) 9 (d) M  
 (e) None of these

103. Four of the following five are alike in certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?  
 (a) F@# (b) DI9 (c) UC\$ (d) %3B  
 (e) 5QM
104. If each of the digits in the number 92581473 are arranged in ascending order, what will be the difference between the digits which are fourth from the right and third from the left in the new arrangement? (SBI Clerk 2015)  
 (a) One (b) Two (c) Three (d) Four  
 (e) None

**DIRECTIONS (Qs. 105-109) : Study the following arrangement carefully and answer the questions given below.**

(SBI Clerk 2015)

RD 1 5 E % K 3 J 1 9 P 8 # A 2 B \$ K M 6 W @ N 4 © T \* 7 F H

105. Which of the following is the third to the right of the twelfth from the left end?  
 (a) J (b) A (c) B (d) @  
 (e) None of these
106. Which of the following is the sixth to the right of the eighteenth from the right end?  
 (a) P (b) 3 (c) W (d) M  
 (e) None of these
107. How many such numbers are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a symbol?  
 (a) One (b) Two (c) Three (d) Four  
 (e) None of these
108. How many such consonants are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a number?  
 (a) One (b) Two (c) Three (d) Four  
 (e) None of these
109. Which of the following is exactly in the middle between the tenth from the left end and the eight from the right end?  
 (a) \$ (b) # (c) B (d) 7  
 (e) None of these
110. In a case of 42 children, Joseph's rank is sixteenth from the top. Kevin is seven ranks below Joseph. What is Kevin's rank from the bottom? (IBPS RRB 2015)  
 (a) 22nd (b) 20th (c) 19th (d) 23rd  
 (e) 25th
111. In a row of children facing North, Shweta is fifteenth from the left and Jyoti is third to the left of Shweta. Ram who is seventh to the right of Jyoti is fifth from the right end of the row. What is Shweta's position from the right end?  
 (IBPS PO Prelim 2015)  
 (a) 12th (b) 10th (c) 8th (d) 9th  
 (e) None of these

**DIRECTIONS (Qs. 112-114) : Study the following arrangement and answer the questions given below :**

(IBPS PO Main 2015)

R 4 T M 7 W % J 9 5 I # 1 P B 2 T A 3 D \$ 6 E N F 8 U H @

112. Which of the following is sixth to the right of the fourteenth from the right end?  
 (a) 5 (b) 6 (c) I (d) \$  
 (e) None of these
113. How many such consonants are there in the above arrangement, each of which is immediately followed by a symbol but not immediately preceded by another consonant?  
 (a) None (b) One (c) Two (d) Three  
 (e) None of these
114. Which of the following is the eighth to the left of the sixteenth from the left end?  
 (a) J (b) E (c) % (d) 6  
 (e) None of these
115. Among P, Q, R, S and T Each having a different height, Q is taller than S. T is shorter than P. R is taller than Q but shorter than T. Who among them is the tallest?  
 (SBI PO Prelim 2015)  
 (a) S (b) P  
 (c) R (d) Data inadequate  
 (e) None of these
116. In a row of 40 children, R is 11<sup>th</sup> from the right and there are 15 children between R and M. What is M's position from the left and of the row?  
 (SBI PO Prelim 2015)  
 (a) 14<sup>th</sup> (b) 15<sup>th</sup>  
 (c) 13<sup>th</sup> (d) Can't be determined  
 (e) None of these

**DIRECTIONS (Qs. 117-121) : Study the following arrangement carefully and answer the questions given below.**

(SBI Clerk 2016)

P 7 3 G # R E \$ 4 F K 1 U % W H 2 N I 5 B Q Y 6 @ H M β 8 V D

117. If all the symbols and numbers are dropped from the above arrangement, which of the following will be the fifteenth from the right end?  
 (a) P (b) R (c) E (d) F  
 (e) None of these
118. How many such numbers are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a letter?  
 (a) None (b) One (c) Two (d) Three  
 (e) More than three
119. Which of the following is seventh to the left of twelfth from the right end of the above arrangement?  
 (a) 1 (b) % (c) U (d) H  
 (e) None of these
120. What will come in place of question mark in the following series based upon the given arrangement?  
 7#G, EF4, 1W%, 25I, ?  
 (a) YH@ (b) Q@6 (c) 52N (d) YBQ  
 (e) None of these
121. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?  
 (a) EGR (b) K\$F (c) β@M (d) NB2  
 (e) %KU

**DIRECTIONS(Qs. 122-126): Study the following arrangement to answer the given questions:**

(SBI Clerk 2016)

H 3 R % M A \$ K 2 P 5 E © N 4 W @ F & Q 1 U / 9 J I D 7 8

122. Which of the following is the fifth to the right of the 12th from the left end of the above arrangement?  
(a) \$ (b) @ (c) / (d) W  
(e) None
123. If all the numbers are dropped from the above arrangement then what will be the 10th from the right end ?  
(a) W (b) @ (c) / (d) N  
(e) None
124. How many such symbol in the above arrangement immediately preceded by letter and immediately followed by a number ?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
125. What should come in the following series based on the above arrangement ?  
HR% AK2 5©N ?  
(a) @Q1 (b) F&Q (c) W@F (d) WF&  
(e) None
126. How many such numbers are there in the above arrangement, each of which is immediately preceded by letter and immediately followed by letter ?  
(a) None (b) One (c) Two (d) Three  
(e) More than three
127. How many pairs of letters are there in the word UNDERSUBSCRIBED which have number of letters between them in the word two less than the number of letters between them in English alphabet? (IBPS SO 2016)  
(a) one (b) two (c) three (d) four  
(e) more than four
128. The positions of the first and the fifth digits in the number 89123654 are interchanged. Similarly, the positions of the second and the sixth digits are interchanged. And so on. Which of the following will be the second digit from the right end after the rearrangement? (IBPS SO 2016)  
(a) 9 (b) 8 (c) 1 (d) 2  
(e) None of these

**DIRECTIONS (Qs. 129-133) : Following questions are based on the five three-digit numbers given below:**

(IBPS SO 2016)

519 328 746 495 837

129. If half of the second highest number is subtracted from the third highest number, what will be the value?  
(a) 156 (b) 146 (c) 213 (d) 314  
(e) None of these
130. If the positions of the first and the third digits in each of the numbers are interchanged, which of the following will be the second digit of the lowest number?  
(a) 1 (b) 2 (c) 7 (d) 9  
(e) 3

131. If in each number the third digit becomes the first digit, the first becomes the second digit and the second digit becomes the third digit, which of the following will be the first digit of the second highest number?  
(a) 9 (b) 6 (c) 3 (d) 7  
(e) 8
132. Which of the following represents the difference between the first and second digits of the second highest number?  
(a) 4 (b) 1 (c) 3 (d) 5  
(e) None of these
133. If '1' is subtracted from the third digit of each number and '1' is added to the first digit of each number, which of the following will be the sum of the second and third digits the second lowest number?  
(a) 13 (b) 9 (c) 3 (d) 5  
(e) None of these

**DIRECTIONS (Qs. 134-138): Study the sets of numbers given below and answer the questions which follow:**

(IBPS Clerk 2016)

129 642 921 476 308

134. Which of the following numbers will be obtained if the second digit of the lowest number is added to the third digit of the highest number after adding four to each number?  
(a) 5 (b) 6 (c) 7 (d) 8  
(e) None of the above
135. If the digits in each of the five numbers are arranged in descending order, the position of how many numbers will not change?  
(a) None (b) One (c) Two (d) Three  
(e) Four
136. Based upon the given set of numbers, four of the following five are alike in a certain way and so form a group. Which is the one does not belong to that group?  
(a) 647 (b) 264 (c) 912 (d) 192  
(e) 380
137. If in each number, the digits are arranged in ascending order, what will be sum of middle digits of each of the numbers?  
(a) 14 (b) 12 (c) 26 (d) 9  
(e) None of the above
138. If in each number, the first and the last two digits are interchanged, which will be the second lowest number?  
(a) 129 (b) 642 (c) 921 (d) 476  
(e) 308

**DIRECTIONS (Qs. 139-140): Study the following information and answer the given questions:**

(SBI PO Prelim 2017)

There are six family members P, Q, R, S, T and U and all of them are of different age. P is younger than only one person. T is older than Q and S but not as old as P. S is older than only one person. U is youngest in the family. The age of S is 25 year and the age of person who is second oldest is 40 year.

139. Who is oldest in the family?  
(a) P (b) Q (c) S (d) T  
(e) R



140. What is the possible age of Q?  
 (a) 42 year (b) 20 year (c) 55 year (d) 19 year  
 (e) 30 year
141. Which of the following statement shows 'A ≥ R' and 'B < C' holds definitely true? **(SBI PO Prelim 2017)**  
 (a) B ≤ C = A ≥ K = R (b) C = K > B < R ≥ A  
 (c) C > B > A ≥ K = R (d) B = K < C < R = A  
 (e) None of these
142. In a vertical row 13 persons are sitting. A is seventh from the beginning and two persons sits between G and A. Persons between A and L is same as persons between G and Q. Then what is the position of Q from the beginning? **(SBI PO Prelim 2017)**  
 (a) Fourth (b) Eight (c) Sixth (d) Ninth  
 (e) Can't be determined
143. If 1 is subtracted from each odd number and 2 is added to each even in the number 9652743, then how many digits will appear twice in the new number thus formed? **(IBPS RRB Prelim 2017)**  
 (a) Only 8 (b) Only 8 and 6  
 (c) 8, 6 and 4 (d) 2, 4 and 6  
 (e) None of these

**DIRECTIONS (Qs. 144-148): These questions are based on the following arrangement. Study the arrangement carefully to answer these questions.**

**(IBPS Clerk Prelim-2019)**

- C Q D 3 H 9 W O Z T E K M 5 I A 8 S 5 4 R U 2 N
144. If all the numbers are remove from the series, then which of the following element is 11<sup>th</sup> from the left end?  
 (a) C (b) K (c) M (d) R  
 (e) U
145. How many alphabets according to the English dictionary are between the elements which is 7<sup>th</sup> from the left end and 9<sup>th</sup> from the right end?  
 (a) 14 (b) 21 (c) 18 (d) 16  
 (e) 22
146. Which of the following element is 3<sup>rd</sup> from the right of the element which is 11<sup>th</sup> from the left end?  
 (a) M (b) I (c) A (d) 5  
 (e) R
147. How many such numbers are there in the above arrangement, each of which is immediately preceded by a consonant and also immediately followed by a consonant?  
 (a) Three (b) One (c) Two (d) Four  
 (e) None of these
148. If in the number 263497584, 1 is added to each of the digit which is placed at even position and 1 is subtracted from each of the digit which is placed at odd position then how many digits are repeating in the number thus formed?  
 (a) Only 5 (b) Both 1 & 2  
 (c) Only 8 (d) Both 1 & 7  
 (e) None of these
149. Six persons Ali, Bali, Charli, Dablu, Ellu and Fantu lives on 6 different floors of a same building. Bottommost floor is first, the floor above it is second and so on till topmost floor which is sixth. Ali lives on odd numbered floor. Charli

lives immediately below Ali. Two floors gap between floors of Charli and Fantu. Dablu lives immediately above Fantu. Bali lives above Ellu, who lives below Fantu. How many persons live below Ellu? **(IBPS Clerk Main 2019)**

- (a) None (b) One (c) Two (d) Three  
 (e) Four
150. Six persons Kalu, Malu, Lulu, Chalu, Galu and Salu sit in a linear row adjacent to each other facing north. Three persons sit between Salu and Galu. Lulu sits immediate left of Salu. Two persons sit between Lulu and Malu. How many persons sit to the left of Malu? **(IBPS Clerk Main 2019)**  
 (a) one (b) two (c) three (d) four  
 (e) None
151. If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 624739854, then the sum of digits which is 4<sup>th</sup> and 5<sup>th</sup> from right and left respectively \_\_\_\_\_ **(IBPS PO Prelim-2019)**  
 (a) 11 (b) 9  
 (c) 13 (d) 10  
 (e) 8

**DIRECTIONS (Qs. 152-154): Study the following information carefully and answer the questions given below:**

**(SBI PO Prelim-2019)**

There are six rods i.e. M, N, O, P, Q and R of different lengths. N is longer than M. Q is longer than N. Q is shorter than only O. R is longer than N. M is not the shortest rod. The length of 2<sup>nd</sup> longest rod is 84cm and 3<sup>rd</sup> shortest rod is 50cm.

152. Which of the following is 3<sup>rd</sup> longest rod?  
 (a) Q (b) R (c) N (d) M  
 (e) Can't be determined
153. What may be the possible length of R?  
 (a) 28 cm (b) 62 cm (c) 25 cm (d) 82 cm  
 (e) 40 cm
154. Which of the following is 2<sup>nd</sup> shortest rod?  
 (a) R (b) N (c) M (d) P  
 (e) None of these
155. **R@29TVAY5©#J1P8Q\$E3\*H%6W4I?UZ**  
 Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group? **(SBI PO Prelim-2019)**  
 (a) JP© (b) EQ\* (c) WI% (d) 9V@  
 (e) 1#?
156. How many such numerals are there in the number '926431758' which will remain at the Same position when arranged in ascending order from left to right? **(IBPS RRB PO Prelim-2019)**  
 (a) One (b) Two  
 (c) Three (d) Four  
 (e) None of these

**DIRECTIONS (Qs. 157-161): Study the following sequence and answer the given questions.**

**(IBPS RRB Clerk Prelim-2019)**

R@6%4GNM\$2&6LHS♪983QYP17%AOG\*2IS2U&

157. Which of the following element is fourth to the left of the twentieth element from the left end of the given arrangement?  
(a) 2 (b) & (c) N (d) G  
(e) None of these
158. If all the symbols are dropped from the series, which element will be sixth to the right of the one which is twelfth from the right end?  
(a) G (b) 2 (c) O (d) I  
(e) None of these
159. How many such numbers are there in the given series which are immediately preceded by a symbol and followed by a letter?  
(a) None (b) One (c) Two (d) Three  
(e) Four
160. Four of the following five are alike in a certain way and forms a group find the one that does not belongs to that group?  
(a) 6G% (b) R%2 (c) M&\$ (d) H9S  
(e) Y7P
161. What should come in place of question mark (?) in the following series based on the above arrangement?  
64%N\$M6HL8Q3?  
(a) %OA (b) 7P% (c) O%R (d) R%O  
(e) A%7

**DIRECTIONS (Qs. 162-165): Study the following information carefully and answer the question given below:**

**(IBPS RRB Clerk Prelim-2019)**

There are six boys i.e. Rahul, Mohit, Vikas, Gopi, Ayush and Aditya who all are of different weight. No two persons have same weight. Only two persons are lighter than Rahul. Mohit is heavier than Rahul but lighter than Vikas and Gopi. Aditya is heavier than Ayush but lighter than Gopi. Gopi is not the heaviest. The weight of 2nd heaviest person is 230 kg and the weight of lightest is 128 kg.

162. How many persons are heavier than Rahul?  
(a) One (b) Two (c) Three (d) Four  
(e) None of these
163. If the sum of weight of Ayush and Rahul is 262 and the sum of weight of Gopi and Mohit is 426, then what is the sum of weight of Rahul and Mohit?  
(a) 343 (b) 340 (c) 330 (d) 300  
(e) None of these
164. Which among the following person is the 3rd heaviest?  
(a) Rahul (b) Mohit (c) Vikas (d) Gopi  
(e) None of these

165. Which of the following statement is true?  
I. Only two persons are heavier than Mohit.  
II. Sum of weight of Gopi and Ayush is 358 Kg.  
III. Weight of Ayush is 128 Kg.  
(a) Only II (b) Both I and II  
(c) Both III and II (d) All are True  
(e) Only III

**DIRECTIONS (Qs. 166-168): Study the following information carefully and answer the questions given beside.**

**(IBPS RRB Clerk Main-2019)**

A E % 6 Y B R & # P U W © 2 I \$ 3 \* L O M V

166. If in the above sequence starting from B to \$ is written in reverse order, which element will be the fourth to the left of 15th element from the left?  
(a) U (b) # (c) P (d) %  
(e) None of these
167. If every letter in the given sequence is replaced by the previous letter in the English alphabet, which element will be the second to the left of the ninth element from the right end?  
(a) © (b) X (c) W (d) V  
(e) None of these
168. In a row where all are facing north, Pallavi is 15th from the left end and Gauri is 19th from the right end. They interchange their positions, and Rajan who sits 24th from the left end sits at the 5th place to the left of Pallavi's new position. How many persons were there in the row?  
**(IBPS RRB Clerk Main-2019)**  
(a) 36 (b) 47 (c) 56 (d) 42  
(e) None of these

**DIRECTIONS (Qs. 169-171): Read the following alphanumeric symbol series carefully and answer the question based on it.**

**(IBPS Clerk Main-2020)**

T \$ 6 U K 7 % \* 4 J O @ 2 3 L P 9 8 A # Y ^ 5 W &

169. If all the even digits are skipped from the sequence then which of the following elements is fifth to the right of '@'?  
(a) A (b) U (c) W (d) Y  
(e) #
170. What is the sum of the second prime number from right end and the third composite number from left end?  
(a) 18 (b) 16 (c) 11 (d) 20  
(e) None of these
171. Four of the following five are alike in a certain way and thus form a group. Which of the following does not belong to that group?  
(a) 7\*K (b) L93 (c) J@4 (d) \$UT  
(e) Y^A

# Answers & Explanations

1. (d)  $D > A, B, E > C$
2. (b)  $5\ 2\ 6\ 3\ 1\ 8\ 7$   
 $\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow$   
 $6\ 1\ 5\ 4\ 2\ 7\ 8$   
 $1 < 2 < 4 < 5 < 6 < 7 < 8$
3. (c) According to Pratap his mother's birthday may be on 20th, 21st or 22nd April.  
 According to Pratap's sister their mother's birthday may be from 1st April to 21st April.  
 Common Dates  $\Rightarrow$  20th and 21st

4. (c)  $5\ 9\ 1\ 6\ \boxed{4}\ 8\ \boxed{2}\ 3$   
 $9\ 8\ 6\ 5\ \boxed{4}\ 3\ \boxed{2}\ 1$
5. (d)  $7\ 9\ 2\ 4\ 6\ 3\ 5\ 8$   
 $9\ \boxed{8}\ 7\ 6\ 5\ \boxed{4}\ 3\ 2$   
 Required difference  $= 8 - 4 = 4$

**Sol. (6-10) :**

6. (e) RAT  $\Rightarrow$  SBU; ONE  $\Rightarrow$  POF;  
 BUT  $\Rightarrow$  CVU; AND  $\Rightarrow$  BOE;  
 SAW  $\Rightarrow$  TBX
7. (b)  $18\ 1\ 20$   
 $R\ A\ T$   
 $\boxed{\phantom{00}}\ \uparrow$
8. (b) RAT  $\Rightarrow$  SAT; ONE  $\Rightarrow$  PNE;  
 BUT  $\Rightarrow$  CUT; AND  $\Rightarrow$  BND;  
 SAW  $\Rightarrow$  TAW  
 Meaningful Words  $\Rightarrow$  SAT, CUT
9. (a) AND, BUT, ONE,  $\boxed{RAT}$ , SAW
10. (e) RAT  $\Rightarrow$  SAU; ONE  $\Rightarrow$  OOE;  
 BUT  $\Rightarrow$  CUU; AND  $\Rightarrow$  AOE;  
 SAW  $\Rightarrow$  TAX
11. (a)  $2\ 5\ 6\ 7\ 3\ 9\ 4\ 8$   
 $2\ 3\ \boxed{4}\ 5\ \boxed{6}\ 7\ 8\ 9$   
 $= 6 + 4 = 10$

**Sol. (12-16) :**

12. (b)  $612 \Rightarrow 812; 589 \Rightarrow 789;$   
 $743 \Rightarrow 943; 468 \Rightarrow 668;$   
 $297 \Rightarrow 497$   
 $\frac{812}{3} = 270.66; \frac{789}{3} = 263;$   
 $\frac{943}{3} = 314.33; \frac{668}{3} = 222.66;$   
 $\frac{497}{3} = 165.66$

13. (c)  $612 \Rightarrow 621; 589 \Rightarrow 598;$   
 $743 \Rightarrow 734; 468 \Rightarrow 486;$   
 $297 \Rightarrow 279$   
 $6\ 2\ \boxed{1}; 7\ 3\ \boxed{4}; 2\ 7\ \boxed{9}$
14. (e) Second lowest number  $\Rightarrow 46\ \boxed{8}$   
 Highest number  $\Rightarrow 7\ \boxed{4}\ 3$   
 $= \frac{8}{4} = 2$
15. (b)  $612 \Rightarrow 621; 589 \Rightarrow 985;$   
 $743 \Rightarrow 743; 468 \Rightarrow 864;$   
 $297 \Rightarrow 972$   
 Highest number  $\Rightarrow 985 \Rightarrow 589$
16. (b)  $297 < 468 < 589 < \boxed{612} < 743$   
 $6 + 1 + 2 = 9$
17. (b) Given number :  $8\ 3\ \boxed{7}\ 9\ 1\ 2$   
 Descending order:  $9\ 8\ \boxed{7}\ 3\ 2\ 1$

**Sol. (18-22) :**

18. (e)  $J \xrightarrow{+2} P \xrightarrow{-4} \odot$   
 $E \xrightarrow{-2} Q \xrightarrow{+4} \star$   
 $W \xrightarrow{+2} I \xrightarrow{-4} \%$   
 $9 \xrightarrow{+2} V \xrightarrow{-4} @$   
 $1 \xrightarrow{-2} \# \xrightarrow{+2} 5$
19. (e) 5th to the right of the 19th element from the right end means  $(19 - 5 =)$  14th from the right end, i.e., Q.
20. (a) Required sequence  

Consonant	Number	Symbol
-----------	--------	--------

 This sequence occurs once which is Y 5©
21. (c) There are 29 elements in all in the given arrangement. If the positions of the last 18 elements are reversed, then the positions of the first 11 elements from the left end would be not changed. Now,  $17 - 11 = 6$ , i.e. required answer would be the 6th element from the right in original sequence.  
 $\therefore$  6th from the right end = W
22. (d) Required sequence  

Vowel	Symbol	AND	Symbol	Vowel
-------	--------	-----	--------	-------

 Such combinations are :  
 $\$ E, I \delta, \delta U$

23. (d) Given number : 5 

2	3
1	1

 1 

6	9
1	1

  
 Ascending order : 1 

2	3
2	3

 5 

6	9
6	9

  
 Only four digits 2, 3, 6 and 9 retain their positions.

**Sol. (24-28) :**

24. (d)  $M \xrightarrow{+5} A \xrightarrow{+5} K \xrightarrow{+5} 1$   
 $\$ \xrightarrow{+5} \# \xrightarrow{+5} U \xrightarrow{+5} \%$   
 $7 \xrightarrow{+5} J \xrightarrow{+5} p \xrightarrow{+5} Q$
25. (c) T # A, J @ U  
 26. (b) 18 Q  
 27. (e) There are total 33 elements. If the positions of 25 elements from the right end are reversed, the eight elements from the left end will remain unchanged. Now, 16th element from the left end would be  $(16 - 8 = 8)$ th element from the right in the original sequence, i.e. 5.
28. (a) Required element =  $(23 - 8)$ th from the left = 15th from the left = 9
29. (b) **Given number** : 5 

2
---

 7 9 1 4 3  
**Ascending order** : 1 

2
---

 3 4 5 7 9  
 There is only one such digit, i.e. 2.

30. (c) **Given number** : 5 3 9 1 2 4 6  
**Ascending order** : 1 2 3 4 5 6 9  
 Such pairs are 1-2 and 1-3.

**Sol. (31-35) :**

31. (b) Looking Sequence :  

Letter	Symbol	Symbol or Number
--------	--------	------------------

  
 There is only one such sequence which is D © 5
32. (d) Ninth to the right of the twentieth element from the right means  $(20 - 9 = 11)$ th element from the right. Which is 5.
33. (e)  $K \xrightarrow{+6} T \xrightarrow{+6} \# \xrightarrow{+6} K$   
 $9 \xrightarrow{+6} \$ \xrightarrow{+6} U \xrightarrow{+6} 5$   
 $D \xrightarrow{+6} M \xrightarrow{+6} R \xrightarrow{+6} W$
34. (c) Looking Sequence :  

Number	Consonant	Symbol
--------	-----------	--------

  
 There are two such sequence :  
 9 D © , 2 T \$
35. (a) Looking Sequence :  

Vowel	Number or Symbol	Number	Symbol
-------	------------------	--------	--------

  
 There is no such sequence

36. (c) 5 

3
---

 1 4 

6
---

 8 7  
 1 

3
---

 4 5 

6
---

 7 8  
 So, position of two digits, i.e. 3 and 6, remains unchanged after the digits are rearranged in ascending order within the number.

37. (a)  $R > P > Q > S > T$   
 P scored the second highest marks.

38. (a)  $\xrightarrow{6} [P] \parallel [V] \parallel [L] \xleftarrow{12}$   
 Vishal's rank from the top is 10th.

**Sol. (39-43) :**

39. (b) Ninth to the right of the 20th from the right means 11th from the right, i.e., M.

40. (c) 

Symbol	Consonant	Symbol
--------	-----------	--------

  
 Such combinations are :

@	F	!
---	---	---

 : 

+	J	©
---	---	---

41. (a) New arrangement

H F 3 U 6 G I T P L 8 

9
---

 S 2 7 A M K .....  
 12th from left

42. (d)  $L \xrightarrow{+2} \$ \xrightarrow{-1} 8$   
 $A \xrightarrow{+2} K \xrightarrow{-1} M$   
 $@ \xrightarrow{+2} ! \xrightarrow{-1} F$   
 $6 \xrightarrow{+1} \% \xrightarrow{+1} G$   
 $J \xrightarrow{+2} D \xrightarrow{-1} ©$

43. (c)  $F \xrightarrow{+5} \% \xrightarrow{+6} L \xrightarrow{+7} \begin{matrix} 7 \\ A \\ M \end{matrix}$   
 $3 \xrightarrow{+5} I \xrightarrow{+6} \$ \xrightarrow{+7} \begin{matrix} 7 \\ A \\ M \end{matrix}$   
 $U \xrightarrow{+5} T \xrightarrow{+6} \wedge \xrightarrow{+7} \begin{matrix} 7 \\ A \\ M \end{matrix}$

**Sol. (44-45) :**

$B > C > D > E > A$   
 92% 71%

44. (c) D is most likely to have scored 87% marks.  
 45. (e) B scored more than C. Therefore, B must have scored more than 92% marks.

**Sol. (46-50) :**

46. (b) After arranging -  
 ITW, ABR 

N	R	U
---	---	---

 EFLOPT

47. (a) Only one letter.

48. (c)  

W	I	T	B	A	R	U	R	N	E	L	F	T	O	P
-1	+1	-1	-1	+1	-1	+1	-1	-1	+1	-1	-1	-1	+1	-1
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
V	J	S	A	B	Q	V	Q	M	F	K	E	S	P	O

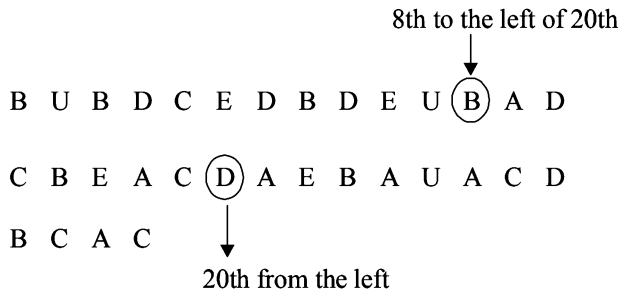
49. (a)  

W	I	T	B	A	R	U	R	N	E	L	F	T	O	P
+1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	J	U	C	B	S	V	S	O	F	M	G	U	P	Q

50. (c) Dictionary order is—  
 1 2 3 4 5  
 BAR ELF TOP **URN** WIT

Sol. (51-53) :

- A > E and C  
 B > D only  
 E did not pay the minimum amount and paid ₹ 8,000
51. (e) A > C & E  
 only B > D  
 B > D > A > E > C  
 ₹ 8,000
52. (b) E paid = ₹ 8,000  
 D paid = 17,000 + 8,000 = 25,000  
 Possibly amount paid by A = 16,000  
 Because D > A > E
53. (a)  
 54. (e) More than three  
 55. (d) The given arrangement is:



56. (b) **B U C E**  
**C U B E**
57. (e) **U B D**  
**E D B**  
**A D C**  
**A C D** and **A C D**

58. (a) E  
 Sol. (59-61): According to given information  
 D > A > — > — > — > — A is younger than only D  
 ↓  
 D > A > C > — > — > — > — Only three are younger than C  
 ↓  
 D > A > C > E > F > B  
 F is younger than E, F is not the youngest

59. (a)  
 60. (e) (B is younger than E)  
 61. (b) (Only two F and B)  
 62. (a) 8 1 9 4 3 2 7 5  
 3 2 7 5 8 **I** 9 4

63. (d) T  $\xrightarrow{+2}$  E  $\xrightarrow{-4}$  R  
 U  $\xrightarrow{+2}$  4  $\xrightarrow{-4}$  @  
 6  $\xrightarrow{+2}$  D  $\xrightarrow{-4}$  V  
 J  $\xrightarrow{-2}$  1  $\xrightarrow{+4}$  K  
 N  $\xrightarrow{+2}$  8  $\xrightarrow{-4}$  ★

64. (e) 

Letter	Number	Number or Symbol
--------	--------	------------------

  
 Such combinations are :  
**M 3 #** ; **U 5 4** ; **I 6 @** ; **D 8 ★** ; **N 7 8**

65. (b) R  $\xrightarrow{+6}$  \$  $\xrightarrow{+6}$  4  $\xrightarrow{+6}$  **8**  
 T  $\xrightarrow{+6}$  @  $\xrightarrow{+6}$  I  $\xrightarrow{+6}$  **H**  
 1  $\xrightarrow{+6}$  F  $\xrightarrow{+6}$  6  $\xrightarrow{+6}$  **N**

66. (d) 

Number	Symbol	Letter
--------	--------	--------

  
 Such combinations are :  
**3 # R** ; **8 ★ H** ; **6 @ D**

67. (e) 7<sup>th</sup> to the left of 20<sup>th</sup> from the left end means 13<sup>th</sup> from the left end, i.e., F.

68. (e) Series of alphabet given in bold  
**D C A B A D A C**

69. (a) 22 - 9 = 13th from right end = D
70. (b) Reverse order  $\xrightarrow{7\text{th from the left}}$   
 U B D B U A **B** U D E C A D A **B**  
 A C D E B E C A D C B D C A B  
 E C

So, 8th to right of the 7th from the left end = (8 + 7) = 15th from the left end = B

71. (d) Sequence we are looking for is :  

B	A	consonant
---	---	-----------

  
 This sequence occurs two times.  

B	A	C
---	---	---

 and 

B	A	D
---	---	---

72. (e) Sequence should be  

consonant	D	vowel
-----------	---	-------

  
 This sequence occurs only one time 

C	D	A
---	---	---

- Sol. (73-75) :  
 Q > P > U  
 P > T > R  
 S > Q  
 Now,  
 S Q P T R U  
 ↑ ↑ ↑ ↑ ↑  
 64 kg 52 kg

73. (c)  $P > T > R$   
 $\downarrow \qquad \qquad \qquad \downarrow$   
 64 kg  $\qquad \qquad \qquad$  52 kg  
 Therefore, T may be of 58 kg.
74. (e) Four persons S, Q, P and T are heavier than R.
75. (b) Q is heavier than P and P's weight is 64 kg. Therefore Q's weight may be 66 kg.
76. (d) 

5/1	6	3/9
-----	---	-----

  
 Such combinations are :  

163
-----

, 

569
-----

, 

163
-----
77. (c)  $R > P, U$   
 $T, Q > S$   
 $T, Q > S > R > P, U$
78. (c) 

5	7	8
---	---	---

  
 Such combinations are :  

576
-----

; 

574
-----
79. (a) 

1	2	3	4	5	6	7
4	6	7	1	3	5	8

  
 $841 = (29)^2$   
 Digit at tenth place = 2
80. (d)  $S, R > Q > T$   
 $\longleftrightarrow$   
 P  
 So no information about P from the given data.
81. (c) 

Number	Symbol	Consonant
--------	--------	-----------

  
 Such combinations are : 

2%M
-----

, 

5\$W
------
82. (d)  $M \xrightarrow{+2} E \xrightarrow{-3} \%$   
 $4 \xrightarrow{+2} \star \xrightarrow{-3} P$   
 $7 \xrightarrow{+2} I \xrightarrow{-3} T$   
 $W \xrightarrow{+2} V \xrightarrow{-4} 5$   
 $T \xrightarrow{+2} \textcircled{c} \xrightarrow{-3} U$
83. (c) 

Consonant	Number	Vowel
-----------	--------	-------

  
 Such combinations are : 

M3E
-----

, 

P4A
-----
84. (b) According to question, the new sequence would be :  
 R % M E J # P 

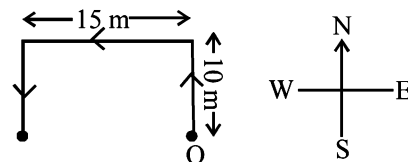
A
---

 $\star$  @ U T .....  
 $\uparrow$   
 8th from the left
85. (d)  $M \xrightarrow{+5} P \xrightarrow{+5} 6 \xrightarrow{+5} \textcircled{c}$   
 $E \xrightarrow{+5} A \xrightarrow{+5} U \xrightarrow{+5} 1$   
 $J \xrightarrow{+5} \star \xrightarrow{+5} T \xrightarrow{+5} Q$
86. (c) 

8	3	6	2	5	7	4	1	9
1	2	3	4	5	6	7	8	9

**Sol. (87 - 88) :**  
 Statue L is smaller than only statue M. Therefore, M is the tallest statue.  
 $N > O > P$

Now,  $M > L > N > O > P$

- $\downarrow \qquad \qquad \qquad \downarrow$   
 20 feet  $\qquad \qquad \qquad$  11 feet
87. (c) Statue P is the smallest. The height of the second smallest statue O is 11 feet. Therefore, the height of the statue of P will be less than 11 feet. Hence, (c) is the correct option.
88. (a) The tallest statue is 20 feet high. Therefore, the second tallest statue may be 19 feet, 18 feet ..... high. Therefore, the third tallest statue will be less than 19 feet and more than 11 feet high.
89. (b) W2N1V9G2P4X6K7R1T8L3H5Q8U2J
90. (a) 
91. (a) After dropping every third letter, we get  
 A B D E G H J K M N P Q S T V W Y Z  
 $(11-7) = 4$ th from the right.
92. (b) Here, the given numbers are:  
 517 325 639 841 792  
 After reversing the numbers become as follows:  
 715 523 936 148 297  
 When arranged in descending order the numbers become as follows:  
 936 715 523 297 148  
 Now, the third number from top is 523. Hence, the last digit of 523 is 3.
93. (d) After interchanging the first and the second digits, numbers become as follows;  
 157 235 369 481 972  
 When arranged in descending order the numbers become as follows;  
 972 481 369 235 157  
 Here, the second lowest number is 235.  
 Hence, middle digit of 235 is 3.
94. (a) If the positions of only the second and the third digits within each number are interchanged, the numbers become as follows.  
 571 352 693 814 729  
 Now, when the numbers are arranged in descending order, we get  
 814 729 693 571 352  
 Here, 729 is the second highest number  
 Hence, the first digit of 729 is 7.
95. (d) Three  $\rightarrow$  A3 $\theta$ , K6 $\beta$ , M8 $\Delta$
96. (d) K  $\beta$  7
97. (b) Number of boys = x; No of girls = 2x;  
 $x+2x=90 \Rightarrow 3x=90$   
 $x(\text{Boys})=30$ ;  $2x(\text{Girls})=60$   
 Number of student behind Shridar =  $90 - 14 = 76$   
 Number of girls behind Shridar =  $60 - 10 = 50$   
 Number of boys behind Shridar =  $76 - 50 = 26$
98. (d) Mother: 11 12 13 14 15 16 17 18 19  
 Brother: 14 15 16  
 15 is coming in common and also a odd number. Hence Anish's wedding day is on February 15.

99. (e) Rearrangement after dropping all numbers  
 E B % R A # **F** H @ I D **C** K U \$ W M P \* Q T  
 ← 9th to the left of W

100. (a)

101. (a) E 4 B % R 3 A 6 # F H @ I 2 D 9 **C** K U \$ W I  
 M P 5 \* Q 8 T  
 Eighteenth from the right end = @, so fifth to the right of @ = C

102. (c) E 4 B % R 3 A 6 # F H @ I 2 D **9** C K U \$ W I M P 5 \* Q 8 T  
 Twelfth from the left end = @, so fourth to the right of @ = 9

103. (e) F  $\xrightarrow{+2}$  @  $\xrightarrow{-3}$  #  
 D  $\xrightarrow{-2}$  I  $\xrightarrow{+3}$  9  
 U  $\xrightarrow{-2}$  ©  $\xrightarrow{+3}$  \$  
 %  $\xrightarrow{+2}$  3  $\xrightarrow{-3}$  B  
 5  $\xrightarrow{+2}$  Q  $\xrightarrow{-4}$  M → odd one out

104. (b) Number after writing digits in ascending order is 1 2 3 4 5 7 8 9. So difference between the digits which are fourth from right and third from left = 5 - 3 = 2

105. (b) Third to right of twelfth means 15th from left and which is A.

106. (d) Sixth to the right of the eighteenth from the right end means twelfth from right end which is M.

107. (b) 2 Such numbers which is preceded by a consonant and immediately followed by a symbol  
 P8# and N4©.

108. (b) 2 Such consonants each of which is immediately preceded by a symbol and immediately followed by a number are : %K3, @N4.

109. (c) Tenth from left is 1 and 8th from right is N. So B between 1 and N.

110. (b) Kevin's rank from the top ⇒ 16 + 7 = 23rd  
 Kevin's rank from the bottom ⇒ 42 - 23 + 1 = 20th

111. (d) → 15th ← 19th  
 → **J** | | **S** | | | **R** ←  
 5th ←  
 Total number of children in the row = 19 + 5 - 1 = 23  
 Shweta's position from right end = 23 - 15 + 1 = 9th

112. (b) Sixth to the right of 14th from the right end means 8th from right.  
 .....D \$ **6** E N F 8 U H @  
 ↑ 8th from right

113. (d) 

No Consonant	Consonant	Symbol
--------------	-----------	--------

  
 Such combinations are :  

7W%	3D\$	UH@
-----	------	-----

114. (a) 8th to the left of 16th from left means 8th from the left.  
 R 4 T M 7 W % **J** 9 5 I .....  
 ↑ 8th from left

115. (b) P > T > R > Q > S  
 ∴ P is the tallest

116. (a)  
 117. (c) If all the symbols and numbers are dropped, the new arrangement is P G R E F K U W H N I B Q Y H M V D

118. (c) Only two  $\underbrace{\quad 4 \quad F \quad \beta \quad 8 \quad V}$

119. (c) Required position is = (7 + 12)th = 19th from the right end in the given arrangement. Element at 19th from the right end = U

120. (b)  $\begin{matrix} +3 & +3 & +3 & +3 & +3 \\ \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright \\ 7\# & G & E & F & 4 & I & W & \% & 2 & 5 & I & Q & @ & 6 \\ \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft \\ -1 & -1 & -1 & -1 & -1 & -1 & -1 & -1 & -1 & -1 & -1 & -1 & -1 & -1 \end{matrix}$

121. (d)  $\begin{matrix} -1 & -1 & -1 \\ \curvearrowright & \curvearrowright & \curvearrowright \\ E & G & R & K & \$ & F & \beta & @ & M \\ \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft \\ -3 & -3 & -3 & -3 & -3 & -3 & -3 & -3 & -3 \end{matrix}$   
 $\begin{matrix} -1 & -1 \\ \curvearrowright & \curvearrowright \\ N & B & 2 & \% & K & U \\ \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft & \curvearrowleft \\ +3 & +3 & +3 & +3 & +3 & +3 \end{matrix}$

122. (b) @  
 12th from the left end - E  
 5th to the right of E - @

123. (a) W  
 H R % M A \$ K P E © N W @ F & Q U / J I D

124. (b)  
 125. (d)  
 126. (e) More than three  
 LNL ⇒ H3R K2PP5E N4W.Q1U

127. (e) 

U	N	D	E	R	S	U	B	S	C	R	I	B	E	D
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

128. (c) 2nd digit from right = 7th digit from left  
 Now, 7th digit after rearrangement = 3rd digit in the given number = 1

129. (b) 519 - 746 ÷ 2 = 519 - 373 = 146

130. (d) After interchange, the lowest number will be 594. So second digit is 9.

131. (e)  
 132. (c) 746 is the second highest number and difference = 7 - 4 = 3

133. (a) After the respective subtraction and additions, the numbers become 618, 427, 845, 594 and 936. Among these, 594 is the second lowest.  
 Now, 9 + 4 = 13

134. (d) Lowest Number = 129 + 4 = 133  
 Highest Number = 921 + 4 = 925  
 ∴ Required number = 3 + 5 = 8

135. (c) 642 921

136. (e) Third digit becomes the first while the first shift two shift rightwards.

137. (e) 2 + 4 + 2 + 6 + 3 = 17

