1. How many '8' are followed by even number and preceded by an odd number? [SSC (MTS) 2013]

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

(a) 3 　　　　　　 (b) 4
(c) 9 　　　　　　 (d) 5

2. In the number 76534218, each digit is replaced by the next digit i.e., '1' is replaced by '2', '2' is replaced by '3' and so on and then the digits are arranged in ascending order from left to right, which digit will be fifth from the left end? [SBI (PO) 2017]

(a) None 　　　　　 (b) 7
(c) 6 　　　　　　 (d) 5
(e) 4

3. How many such pairs of digits are there in the number 935416' each of which has as many digits between in the number (both forward and backward direction) as they have between them in the numerical series? [IBPS RRB (PO) 2020]

(a) One 　　　　　　 (b) Two
(c) Three 　　　　　 (d) Four
(e) More than four

4. In a given number 7834329513, we interchange the first and the second digits, the third and the fourth digit and so on. Then, which digit will be sixth from the right? [DSSSB 2018]

(a) 3 　　　　　　 (b) 2
(c) 9 　　　　　　 (d) 4

5. In the given number '843576529' how many such numerals will remain at the same position, when arranged in ascending order from left to right? [IBPS (Clerk) 2020]

(a) More than four 　　 (b) Four
(c) Two 　　　　　　 (d) Three
(e) One

6. If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 321754, then which of the following numbers are repeated more than once? [IBPS RRB (PO) 2020]

(a) Only 4 　　　　　 (b) Both 4 and 6
(c) 4, 6 and 8 　　　　 (d) Only 6
(e) None of these

7. If in the number 485794362, 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? [IBPS (Clerk) 2019]

(a) Only 5 　　　　　 (b) Both 1 and 2
(c) Only 8 　　　　　 (d) Both 1 and 7
(e) None of these

Directions (Q. Nos. 8 and 9) Study the following arrangement of numbers carefully and answer the questions that follow. [PNB (Clerk) 2012]

5 7 9 4 8 2 4 2 5 7 8 4 2 9 2 4 8 7 5 2 1 2 5 4 9 7

8. How many such digits are there in the above arrangement each of which is followed by a digit which has a greater value than the first digit?

(a) Eleven 　　　　　 (b) Seven
(c) Eight 　　　　　 (d) Nine
(e) None of these

9. How many such even digits are there in the above arrangement each of which is immediately preceded and also immediately followed by odd numbers?

(a) Three 　　　　　 (b) Four
(c) Five 　　　　　 (d) Six
(e) None of these

Directions (Q. Nos. 10 and 11) The following questions are based on the given 3-digit numbers. [SBI (Clerk) 2016]

821　　547　　452　　935　　368
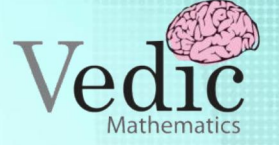
10. The product of the second and the third digit in which of the following numbers is the second highest?
(a) 547   (b) 935
(c) 368   (d) 452
(e) 821

11. The difference of the first and the second digits in how many of the given numbers is greater than the third digit of the same number?
(a) Two   (b) Three
(c) More than three   (d) One
(e) None

Directions (Q. Nos. 12 – 15) Study the following arrangement carefully and answer the questions given below.   [IBPS (Clerk) 2020]

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

12. How many 2's are there in the above arrangement, each of which is immediately preceded by a digit which has a numerical value of more than 5?
(a) None   (b) One
(c) Two   (d) Three
(e) More than three

13. Which of the following number is seventh to the left of the twentieth from the left end of the above arrangement?
(a) 3   (b) 9
(c) 2   (d) 7
(e) 1

14. If all the even digits are removed from the above arrangements, then, which of the following digit will be tenth from the right end of the arrangement?
(a) 9   (b) 5
(c) 1   (d) 3
(e) 7

15. How many such 1's are there in the above arrangement, each of which is immediately followed by a perfect square?
(a) None   (b) One
(c) Two   (d) Three
(e) More than three

Directions (Q. Nos. 16 – 20) Following questions are based on the five numbers given below, study the given information and answer the following questions.
                                        [SBI Clerk (Pre) 2020]

625   427   189   258   469

16. What is the sum of the 3rd digit of second number from left and 2nd digit of third number from right?
(a) 10   (b) 15
(c) 14   (d) 12
(e) None of these

17. If the position of first and third digits of each of the numbers are interchanged, then which among the following is the highest number?
(a) 258   (b) 469
(c) 189   (d) 427
(e) 625

18. If all the digits in the number are arranged in the descending order with in the number from left to right, then which among the following will be the lowest number after rearrangement?
(a) 427   (b) 189
(c) 258   (d) 625
(e) 469

19. What is the product of 3rd digit of 2nd lowest number and 1st digit of 2nd highest number?
(a) 32   (b) 72
(c) 24   (d) 36
(e) None of these
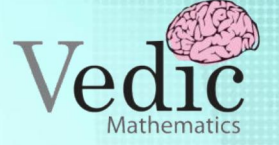
20. If 2 is subtracted from each number then how many numbers thus formed are odd numbers?

(a) One (b) Two
(c) Three (d) More than three
(e) None

21. If the following numbers are written in ascending order, then what will be the middle digit of the middle term? [OPSC 2018]

815, 686, 795, 835, 765, 822, 719

(a) 8 (b) 1
(c) 3 (d) 9

22. Alok ranked 19th from the top and 38th from the bottom in a class. How many students are there in the class? [RRB (NTPC) 2022]

(a) 57 (b) 56
(c) 46 (d) 55

23. Bharati is 8 ranks ahead of Divya, who ranks 26th in a class of 42. What is Bharati's rank from the last? [WBPSC 2018]

(a) 9th (b) 24th
(c) 25th (d) 34th

24. 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 11th from the left. How many people are there in the row? [MPPSC 2018]

(a) 10 (b) 20
(c) 19 (d) 18

25. In a line of boys Aman is 12th from top and Baman is 18th from bottom. If there are 6 boys between Aman and Baman, then how many maximum boys are there in the row? [SSC (CPO) 2017]

(a) 34 (b) 36
(c) 35 (d) 37

26. 37 girls are standing in a row facing the school building. Ayesha is fifteenth from the left end. If she is shifted six places to the right, what is her position from the right end? [SBI (Clerk) 2016]

(a) 16th (b) 21st
(c) 20th (d) 18th
(e) None of these

27. In a class of 50 students, Raghu's rank is twice that of Paul. There are 10 students who have ranks worse than that of Raghu. Paul's rank in the class is [MPPSC 2018]

(a) 5th (b) 10th
(c) 15th (d) 20th

28. Ramesh ranked 16th from the top and 21st from the bottom in his class in an examination. If only 21 students passed the exam, then how many students in his class failed? [RRB (NTPC) 2022]

(a) 19 (b) 17
(c) 15 (d) 21

29. Rohit is ranked 18th from the top in his class. When counted from the bottom he is ranked 36th. What is the total number of students in the class? [SSC (CPO) 2020]

(a) 55 (b) 53
(c) 52 (d) 54

30. Paresh is 14th from the left and Dileep is 16th from the right in a line a student. When both Paresh and Dileep interchange their positions, the position of Dileep becomes 21st from the right. How many students are there in the line? [SSC (Steno) 2020]

(a) 35 (b) 34
(c) 33 (d) 36