I. Objective Questions

A. State whether the following statements are true (T) or false (F):

(i) The difference between the place value and the face of the digit 7 in the number 2701 is 693.

(ii) The smallest 4-digit number -1 = the greatest 3-digit number.

(iii) The place of a digit is independent of whether the number is written in the Indian system or International system of numeration.

(iv) In the International system, a number having less number of digits is always smaller than the number having more number of digits.

(v) The estimated value of 9999 to the nearest tens is 10000.

B. Multiple Choice Questions

1.The face value of the digit 5 in the number 36503 is
(a) 5
(b) 503
(c) 500
(d) none of these

2.The difference between the place values of 6 and 3 in 76834 is
(a) 3
(b) 5700
(c) 5930
(d) 5970

3.The sum of the place values of all the digits in 5003 is
(a) 8
(b) 53
(c) 5003
(d) 8000

4.The total number of 4-digit numbers is
(a) 9000
(b) 9999
(c) 10000
(d) none of these

5. The product of the place values of two-threes in 73532 is
(a) 9000
(b) 90000
(c) 99000
(d) 1000

6.The smallest 4-digit number having distinct digits is
(a) 1234
(b) 1023
(c) 1002
(d) 3210

7.The largest 4-digit number having distinct digits is
(a) 9999
(b) 9867
(c) 9786
(d) 9876

8.The largest 4-digit number is
(a) 9999
(b) 9876
(c) 9990
(d) none of these

9.The difference between the largest number of 3-digit and the largest number of 3-digit with distinct digits is
(a) 0
(b) 10
(c) 12
(d) 14

10. If we write natural numbers from 1 to 100, the number of times the digit 5 has been written is

(a) 11
(b) 15
(c) 19
(d) 20

11.The number 28,549 when rounded off to the nearest hundreds is
(a) 28,000
(b) 28,500
(c) 28,600
(d) 29,000

12. The smallest natural number which when rounded off to the nearest hundreds as 500 is
(a) 499
(b) 501
(c) 450
(d) 549

13.The greatest natural number which when rounded off to the nearest hundreds as 500 is
(a) 549
(b) 599
(c) 450
(d) none of these

14.The greatest 5-digit number formed by the digits 3, 0, 7 is
(a) 33077
(b) 77730
(c) 77330

(d) none of these

15.In the International place value system, we write 1 billion for
(a) 10 lakh
(b) 1 crore
(c) 10 crore
(d) 100 crore

16. The place value of 6 in the numeral 48632950 is
(a) 6
(b) 632950
(c) 600000
(d) 486

17. The face value of 4 in the numeral 89247605 is
(a) 4
(b) 40000
(c) 47605
(d) 8924

18. The difference between the place value and the face value of 5 in the numeral 78653421 is
(a) 53416
(b) 4995
(c) 49995
(d) None of this

19. The smallest counting number is
(a) 0
(b) 1
(C) 10
(d) None of this

20. How many 4-digit numbers are there?
(a) 8999
(b) 9000
(c) 8000
(d) None of this

21. How many 7-digit numbers are there?
(a) 8999999
(b) 9000000
(c) 1000000
(d) None of this

22. How many 7-digit numbers are there?
(a) 99999999
(b) 89999999

(c) 90000000
(d) None of this

23. What comes just before 1000000?
(a) 99999
(b) 999999
(c) 9999999
(d) None of this

24. Which of the following is not meaningful?
(a) VX
(b) XV
(c)XXV
(d) XXXV

25. Which of the following is not meaningful?
(a) CI
(b) CII
(c) IC
(d) XC

26. Which of the following is not meaningful?
(a) XIV
(b) XVV
(c) XIII
(d) XXII

27.The difference between the place value and face value of 8 in 658742 is
(a) 0
(b) 42
(c) 735
(d) 693

28. The difference between the place values of 6 and 3 in 256839 is
(a) 3
(b) 9
(c) 6800
(d) 5930

29. The difference of the smallest three digit number and the largest two digit number is
(a) 100
(b) 1
(c) 10
(d) 99

30. The largest three digit number formed by the digits 8, 5, 9 is
(a) 859
(b) 985
(c) 958
(d) 589

31. The smallest three digit number having three distinct digits is
(a) 123
(b) 101
(c) 102
(d) 201

32. The largest three digit number having distinct digits is
(a) 987
(b) 789
(c) 999
(d) 900

33. The difference between the largest three digit number and the largest three digit number with distinct digits is
(a) 10
(b) 0
(c) 12
(d) 13

34. The product of the place values of two threes in 53432 is
(a) 9000
(b) 90000
(c) 10000
(d) 99000

35. The total number of 4 digit numbers is
(a) 8999
(b) 9000
(c) 8000
(d) 9999

36. The number of 3 digit numbers formed by using digits 3, 5, 9, taking each digit exactly once, is
(a) 3
(b) 4
(c) 5
(d) 6

37. Total number of numbers which when rounded off to nearest ten give us 200 is
(a) 9
(b) 10
(c) 8

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(d) 7

38. The smallest number which when rounded off to the nearest hundred as 600, is
(a) 550
(b) 595
(c) 604
(d) 599

39. The greatest number which when rounded off to the nearest thousand 7000, is
(a) 6500
(b) 6549
(c) 7499
(d) 6499

40. The difference between the greatest and smallest numbers which when rounded off a number to the nearest tens as 540, is
(a) 10
(b) 9
(c) 8
(d) 10

41. The difference between the greatest and smallest numbers which when rounded off a number to the nearest hundred as 6700, is
(a) 100
(b) 99
(c) 98
(d) 101

42. The difference between the greatest and the smallest numbers which when rounded off to the nearest thousand as 9000, is
(a) 1000
(b) 990
(c) 999
(d) 900

43. Which of the following numbers is equal to 1 billion?
(a) 10 lakh
(b) 1 crore
(c) 10 crore
(d) 100 crore

44. In the international place value system, we write one million for
(a) 1 lakh
(b) 10 lakh
(c) 100 lakh
(d) 1 crore

45. Which of the following is not meaningful?
(a) XIV
(b) XXXV
(c) XXV
(d) VX

46. Which of the following is not meaningful?
(a) XXII
(b) XII
(c) XVV
(d) XIV

C. Fill in the blanks:
(i) The digit _____ has the highest place value in the number 2309.
(ii) The digit _____ has the highest face value in the number 2039.
(iii) The digit_____ has the lowest place value in the number 2039.
(iv) Both Indian and International systems of numeration have _____ period in common.
(v) In the International system of numeration, commas are placed from_____after every_____ digits.
(vi) The bigger number from the numbers 57,631 and 57,361 is_____.
(vii) 1 crore =_____million
(viii)The smallest 4-digit number with 3 different digits is_____.
(ix) The greatest 4-digit number with 3 different digits is _____.
(x) 15 km 300 m = _____ m
(xi) 7850 cm = _____ m_____ cm

D. Fill in the blank:

(i) 1 lakh = ………. Ten thousand

(ii) 1 lakh = ……… Thousand

(iii) 1 lakh = ……… Hundred

(iv) 1 lakh = ………. ten

(v) 1 crore = ………. ten lakh

(vi) 1 crore = ……… lakh

(vii) 1 crore = ……… Ten thousand

(viii) 1 crore = ……… thousand

(ix) 1 crore = ……….. Hundred

(x) 1 crore = …………. Ten

II. Short Answer Questions:

Q1. Give successor of each of the following whole numbers:

(i) 2340900   (i) 7039999

Q2. Write down the predecessor of each of the following whole numbers:

(ii) 807000 (iii) 7005000

Q3. Fill in each of the following boxes with the correct symbol > or <:

a. 1003467 _____987965   d.   3572014 _____10235401
b. 3254790_____3260152   e.   10357690 _____11243567
c. 27596381_____7965412   f.   47893501 _____47894021

Q4. Arrange the following numbers in ascending order:

(i) 1808090,   1808088,   181888,   190909,   16060666.

Q5. Arrange the following numbers in descending order:

(i) 56943300,   56943201,   5695440,   56944000,   5694437

Q6. Write all possible 3-digit numbers using the digits 6, 0, 4 when

(i) repetition of digits is not allowed

(ii) repetition of digits is allowed.

Q7. Rearrange the digits of the number 5701024 to get the largest number and the smallest number of 7 digits.

Q8. **Write the following numbers in expanded form:**
(i) 750687
(ii) 5032109

Q9. Write the corresponding numeral for each of the following:

(i) $7 \times 1000 + 2 \times 1000 + 5 \times 100 + 9 \times 10 + 6 \times 1$

(ii) $5 \times 10000000 + 7 \times 1000000 + 8 \times 1000 + 9 \times 10 + 4$

Q10. Insert commas suitably and write the number 30189301 in words in Indian and International system of numeration.

Q11. Write the following number in figures:
(i) Seven lakh three thousand four hundred twenty.
(ii) Eighty crore twenty three thousand ninety three.

(iii) Fifty eight million four hundred twenty three thousand two hundred two

(iv) Four billion twenty five million forty five thousand
Also, write the above numbers in the place value chart.

Q12. Write 10075302 in words and rearrange the digits to get the smallest and the largest numbers.

Q13. Determine the difference of the place values of 7's in 257839705.

Q14. Form the largest and smallest 4- digit numbers using each of digits 7,1,0,5 only once

Q15. Write the smallest and the largest six digit numbers. How many numbers are between these two **(2 M)**

Q16. How many 8-digit numbers are there in all?

Q17. Write 10075302 in words and rearrange the digits to get the smallest and the largest numbers.

Q18. What is the smallest 3-digit number with unique digits?

Q19. What is the largest 5-digit number with unique digits?

Q20. Write the smallest 3-digit number which does not change if the digits are in reverse order.

Q21. Find the difference between the number 279 and that obtained on reversing its digits.

Q22. Form the largest and smallest 4-digit numbers using each of digits 7, 1, 0, 5 only once.