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NOTE: HOLIDAY HOMEWORK TO BE DONE IN MATHS-2 REGISTER IN CLEAR HANDWRITING. MATHS-2 REGISTER MUST BE NICELY COVERED AND LABELED. INDEX AND PAGE NUMBERS MUST BE WRITTEN.

Q 1 – Q 20 Choose the correct answer:

1. The product of the place values of two 2's in 428721 is
  (A) 4   (B) 40000   (C) 400000   (D) 40000000

2. $3 \times 10000 + 7 \times 1000 + 9 \times 100 + 0 \times 10 + 4$ is the same as
  (A) 3794   (B) 37940   (C) 37904   (D) 379409

3. If 1 is added to the greatest 7- digit number, it will be equal to
  (A) 10 thousand   (B) 1 lakh   (C) 10 lakh   (D) 1 crore

4. The expanded form of the number 9578 is
  (A) $9 \times 10000 + 5 \times 1000 + 7 \times 10 + 8 \times 1$ (B) $9 \times 1000 + 5 \times 100 + 7 \times 10 + 8 \times 1$
  (C) $9 \times 1000 + 57 \times 10 + 8 \times 1$ (D) $9 \times 100 + 5 \times 100 + 7 \times 10 + 8 \times 1$

5. When rounded off to nearest thousands, the number 85642 is
  (A) 85600   (B) 85700   (C) 85000   (D) 86000

6. The largest 4-digit number, using any one digit twice, from digits 5,9, 2 and 6 is
  (A) 9652   (B) 9562   (C) 9659   (D) 9965

7. In Indian System of Numeration, the number 58695376 is written as
  (A) 58,69, 53, 76   (B) 58,695,376   (C) 5,86,95,376   (D) 586,95,376

8. One million is equal to
  (A) 1 lakh   (B) 10 lakh   (C) 1 crore   (D) 10 crore

9. The greatest number which on rounding off to nearest thousands gives 5000, is
  (A) 5001   (B) 5559   (C) 5999   (D) 5499

10. Keeping the place of 6 in the number 6350947 same, the smallest number obtained by rearranging other digits is
  (A) 6975430   (B) 6043579   (C) 6034579   (D) 6034759

11. Which of the following numbers in Roman numerals is incorrect?
  (A) LXXX   (B) LXX   (C) LX   (D) LLX

12. The largest 5-digit number having three different digits is
  (A) 98978   (B) 99897   (C) 99987   (D) 98799

13. The smallest 4-digit number having three different digits is
  (A) 1102   (B) 1012   (C) 1020   (D) 1002

14. Number of whole numbers between 38 and 68 is
  (A) 31   (B) 30   (C) 29   (D) 28

15. The product of successor and predecessor of 999 is
  (A) 999000   (B) 998000   (C) 989000   (D) 1998

16. The product of a non-zero whole number and its successor is always
  (A) an even number   (B) an odd number   (C) a prime number   (D) divisible by 3

17. Which of the following is not true?
  (A) $(7 + 8) + 9 = 7 + (8 + 9)$ (B) $(7 \times 8) \times 9 = 7 \times (8 \times 9)$
  (C) $7 + 8 \times 9 = (7 + 8) \times (7 + 9)$ (D) $7 \times (8 + 9) = (7 \times 8) + (7 \times 9)$

18. Which of the following statements is not true?
  (A) $0 + 0 = 0$ (B) $0 - 0 = 0$ (C) $0 \times 0 = 0$ (D) $0 \div 0 = 0$

19. The predecessor of 1 lakh is
  (A) 99000   (B) 99999   (C) 999999   (D) 100001

20. The successor of 1 million is
  (A) 2 millions   (B) 1000001   (C) 100001   (D) 10001

Q21-Q45 Solve the following questions in detail:

21. Arrange the following numbers in descending order: 8435, 4835, 13584, 5348, 25843

22. Of the following numbers which is the greatest? Which is the smallest?   38051425, 30040700, 67205602

23. Write in expanded form :

    (a) 74836   (b) 574021   (c) 8907010

24. As per the census of 2001, the population of four states are given below. Arrange the states in ascending and descending order of their population.

    (a) Maharashtra – 96878627   (b) Andhra Pradesh 76210007

    (c) Bihar 82998509   (d) Uttar Pradesh 166197921

25. The diameter of Jupiter is 142800000 metres. Insert commas suitably and write the diameter according to International System of Numeration.

26. India's population has been steadily increasing from 439 million in 1961 to 1028 millions in 2001. Find the total increase in population from 1961 to 2001. Write the increase in population in Indian System of Numeration, using commas suitably.

27. Radius of the Earth is 6400km and that of Mars is 4300000m. Whose radius is bigger and by how much?

28. In 2001, the poplulations of Tripura and Meghalaya were 3,199,203 and 2,318,822, respectively. Write the populations of these two states in words.

29. In a city, polio drops were given to 2,12,583 children on Sunday in March 2008 and to 2,16,813 children in the next month. Find the difference of the number of children getting polio drops in the two months.

30. A person had Rs 1000000 with him. He purchased a colour T.V. for Rs 16580, a motor cycle for Rs 45890 and a flat for Rs 870000. How much money was left with him?

31. Out of 180000 tablets of Vitamin A, 18734 are distributed among the students in a district. Find the number of the remaining vitamin tablets.

32. Chinmay had Rs 610000. He gave Rs 87500 to Jyoti, Rs 126380 to Javed and Rs 350000 to John. How much money was left with him?

33. Find the difference between the largest number of seven digits and the smallest number of eight digits.

34. A mobile number consists of ten digits. The first four digits of the number are 9, 9, 8 and 7. The last three digits are 3, 5 and 5. The remaining digits are distinct and make the mobile number, the greatest possible number. What are these digits?

35. A mobile number consists of ten digits. First four digits are 9,9,7 and 9. Make the smallest mobile number by using only one digit twice from 8, 3, 5, 6, 0.

36. A factory has a container filled with 35874 litres of cold drink. In how many bottles of 200 ml capacity each can it be filled?

37. How many grams should be added to 2kg 300g to make it 5kg 68g?

38. A box contains 50 packets of biscuits each weighing 120g. How many such boxes can be loaded in a van which cannot carry beyond 900kg?

39. How many lakhs make five billions?

40. How many millions make 3 crores?

41. Estimate each of the following by rounding off each number to nearest hundreds:

    (a) 874 + 478   (b) 793 + 397   (c) 11244 + 3507   (d) 17677 + 13589

42. Estimate each of the follwoing by rounding off each number to nearest tens:

    (a) 11963 – 9369   (b) 76877 – 7783   (c) 10732 – 4354   (d) 78203 – 16407

43. Estimate each of the following products by rounding off each number to nearest tens:

    (a) 87 × 32   (b) 311×113   (c) 3239 × 28   (d) 1385 × 789

44. The population of a town was 78787 in the year 1991 and 95833 in the year 2001. Estimate the increase in population by rounding off each population to nearest hundreds.

45.a) Find H.C.F. of   1)12,24 and 30.   2) 15,20 and 45

b) Find LCM of   1)15,20 and 30   2)40,60 and 120