ANANDALAYA
PERIODIC TEST – 1
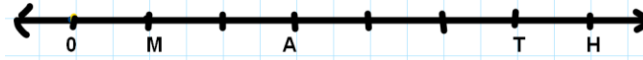### Class : VI

Subject : Mathematics

M.M : 40

Date : 19-07-2024

Time : 1Hr 30min.

General Instructions:
i) This Question Paper has 4 Sections A, B, C and D..
ii) Section A has 8 MCQs carrying 1 mark each.
iii) Section B has 6 questions carrying 2 marks each.
iv) Section C has 4 questions carrying 3 marks each.
v) Section D has 2 questions carrying 4 marks each.
vi) All questions are compulsory.

SECTION-A

1. The value of $(9 \times 7 + 9 \times 3)$ is _____ (1)
   (A) 216 (B) 90 (C) 432 (D) 75

2. In the 6 coach metro train, each coach has 50 seats for passengers. The first coach is reserved for women. Sixteen seats are reserved for women and senior citizens in each of the remaining coaches. How many unreserved passenger seats are in the metro train? (1)
   (A) 130 (B) 170 (C) 204 (D) 300

3. Observe the number line below. (1)

   If Devika has to write the whole numbers that corresponds to the alphabets M, A, T and H. which table correctly matches the alphabets to their corresponding whole numbers?

(A)	
M	1
A	2
T	3
H	4

(B)	
M	1
A	3
T	5
H	6

(C)	
M	3
A	6
T	9
H	12

(D)	
M	1
A	3
T	6
H	7

4. The predecessor of the smallest 5-digit number is _____. (1)
   (A) 9999 (B) 1000 (C) 1001 (D) 999

5. The product of successor and predecessor of 999 is _____. (1)
   (A) 999000 (B) 998000 (C) 989000 (D) 1998

6. Which of the following pairs is co-primes? (1)
   (A) 18 and 35 (B) 13 and 65 (C) 16 and 20 (D) 30 and 50

7. Which of the following number is not a factor of 9342? (1)
   (A) 2 (B) 3 (C) 6 (D) 12

8. The total number of primes between 16 to 80 and 90 to 100 is _____. (1)
   (A) 20 (B) 18 (C) 17 (D) 16

Section-B

9. (A) The diameter of Jupiter is 139820 km. Write the diameter of Jupiter in International System of Numeration. (2)

   (B) In a city, polio drops were given to 212583 children on Sunday in March 2024 and 216813 children in the next month. Find the total number of children who were given polio drops in these two months.

10. A box contains 50 packets of biscuits each weighing 120 grams. How many such boxes can be loaded in a van which cannot carry beyond 900 kg? (2)

11. A loading tempo can carry 82 boxes of mangoes weighing 15 kg each, whereas a van carries 51 boxes each of the same weight. Find the weight that can be carried by both the vehicles altogether? (2)

12. Find 3×2 using the number line. (2)

13. (A) Express 63 as the sum of three odd primes in two different combinations. (2)

    (B) Write all the pairs of twin primes between 40 and 100.

14. (A) $734a621$ is a 7-digit number. If the number is exactly divisible by 9, what is the numerical value of 'a'? (2)

    (B) Insert the greatest possible digit in the box so that $92 \boxed{} 389$ becomes divisible by 11

Section-C

15. (A) State whether the following statements are true or false: (3)
    (i) 1 million equals 1 lakh.

    (ii) Successor of a 3-digit number is always a 3-digit number.

    (B) Write the number name for 43050086 as per Indian system of numeration

    (C) Arrange the following numbers in ascending order :
    　　　1020311,　　8993245,　　7809402

16. (A) Write two consecutive whole numbers just preceding 751001. (3)
    (B) Write the numeral for successor of 1 million.
    (C) Determine the sum of the smallest 2 digit natural number and predecessor of 70000.

17. Subtract the sum of nine crore fifty-six thousand thirty-three and one million two hundred thousand eight from 98763802. (3)

18. (A) Without the actual division check if 430956 is divisible by 8. (3)
    (B) List first two common multiples of 8 and 12.

Section-D

19. Find the difference between the LCM and HCF of 75 and 120. (4)

20. The bus fare from Pune to Nagpur is ₹ 2220 for 4 adults and ₹ 690 for 3 children, Find the total fare for 7 adults and 5 children. (4)