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SAMPLE PAPER 03 : PERIODIC TEST – 1 (2019 – 20)
CLASS – VII
MATHEMATICS

T.T. 1:30   M.M. 40
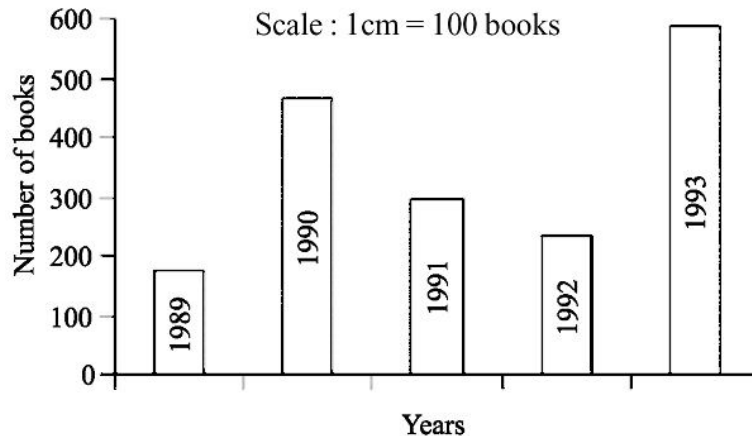
General Instructions:
1. All questions are compulsory.
2. Question paper is divided into four sections: Section A contains 10 Objective type questions each carry 1 mark, Section B contains 3 questions each carry 2 marks, Section C contains 4 questions each carry 3 marks and Section D contains 3 questions each carry 4 marks.

SECTION – A(1 marks each)

1. The sum of three times a number and 11 is 32. Find the number.
   (a) 6   (b) 7   (c) 8   (d) none of these

2. The solution of the equation $5m + 7 = 17$ is m = .
   (a) 2   (b) 3   (c) 4   (d) none of these

Read the following bar graph which shows the number of books sold by a bookstore during five consecutive years and answer the question given bellow (Q3-Q4)

3. In which year were 400 books sold ?
   (a) 1990   (b) 1991   (c) 1993   (d) 1989

4. How many books were sold in 1989 ?
   (a) 100   (b) 200   (c) 300   (d) 600

5. Mode and median of the data 13,16,12,14,19,12,14,13,14 are:
   (a) 13 & 1 4   (b) 14 & 13   (c) 14 & 14   (d)   19 & 13

6. The product of $\frac{3}{4} and \frac{1}{5}$ gives
   (a) $\frac{3}{20}$ (b) $\frac{5}{12}$ (c) $\frac{12}{5}$ (d) $\frac{20}{3}$

7. $\frac{1}{2}$ of 24 is equal to
   a) 12   b) $\frac{1}{12}$ (c) 48   (d) $\frac{1}{48}$

8. Which of the following statement is false:
   (a) $-7 + (-6) = -13$ (b) $-5 + 1 = 4$ (c) $2 + (-1) = 1$ (d) $8 + (-9) = -1$

9. The value of $6 - (-3)$ is
   (a) 3   (b) -9 (c) -3 (d) 9

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10. Successor of –1 is
(a) –2   (b) 0   (c) 1   (d) 2

SECTION – B(2 marks each)

11. Write down a pair of integers whose (a) sum is –3 (b) difference is –5

12. Find a number, such that one fourth of the number is 3 more than 7.

13. Arrange $\frac{2}{3}$, $\frac{8}{21}$, $\frac{2}{9}$ in descending order.

SECTION – C(3 marks each)

14. Ritu ate $\frac{3}{5}$ part of an apple and the remaining apple was eaten by her brother Somu. How much part of the apple did Somu eat? Who had the larger share? By how much? What are the benefits of eating fruits?

15. People of Sundargram planted a total of 102 trees in the village garden. Some of the trees were fruit trees. The number of non-fruit trees were two more than three times the number of fruit trees. What was the number of fruit trees planted?

16. The weights (in kg.) of 15 students of a class are:
       38, 42, 35, 37, 45, 50, 32, 43, 43, 40, 36, 38, 43, 38, 47
(i) Find the mode and median of this data. (ii) Is there more than one mode?

17. Verify the following: (a) $18 \times [7 + (–3)] = [18 \times 7] + [18 \times (–3)]$
(b) $(–21) \times [(– 4) + (– 6)] = [(–21) \times (– 4)] + [(–21) \times (– 6)]$

SECTION – D(4 marks each)

18. Saili plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is 3250 mm. Find the distance between the first and the last sapling in cm and m.

19. A mathematics teacher wants to see, whether the new technique of teaching she applied after quarterly test was effective or not. She takes the scores of the 5 weakest children in the quarterly test (out of 25) and in the half yearly test (out of 25). Draw a double bar graph choosing an appropriate scale. What do you infer from the bar graph?

Students	Ashish	Kavish	Mohan	Arun	Uday
Quarterly	10	15	12	9	20
Half Yearly	15	18	16	15	21

20. Solve the following:
(i) Irfan says that he has 7 marbles more than five times the marbles Parmit has. Irfan has 37 marbles. How many marbles does Parmit have?
(ii) Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. What is Laxmi's age?