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SAMPLE PAPER 02 : PERIODIC TEST – 1 (2019 – 20)
CLASS – VII
MATHEMATICS

T.T. 1:30

M.M. 40

General Instructions:

- All questions are compulsory.
- 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)

- Which of the following statement is true
(a) $7 - 4 = 4 - 7$ (b) $7 - 4 > 4 - 7$ (c) $7 - 4 < 4 - 7$ (d) $7 - 4 = - 3$
- Choose appropriate number for blank: $- 7 - (_) = 2$
(a) 5 (b) - 5 (c) 9 (d) - 9
- $125 \div (- 25)$ is equal to
(a) 1 (b) 5 (c) - 5 (d) 100
- $\frac{3}{4}$ of 12 is equal to
(a) 16 (b) 1 (c) 9 (d) $\frac{1}{16}$
- 5 cm in km can be written as
(a) 0.0005 (b) 0.00005 (c) 0.0005 (d) 0.05
- The tally mark ~~||||~~ shows frequency _____.
(a) 15 (b) 13 (c) 12 (d) none of these
- A cricketer scores the following runs in eight innings : 58 , 76 , 40 , 35 , 46 , 45 , 0 , 100
What will be their mean score ?
(a) 400 (b) 50 (c) 200 (d) 100
- The median of the first ten prime number is _____.
(a) 2.5 (b) 5.5 (c) 3.5 (d) none of these
- Which is a solution of the equation $2x = 12$
(a) $x = 2$ (b) $x = 3$ (c) $x = 4$ (d) $x = 6$
- Write the statements “One third of a number plus 5 is 8” in the form of equations:
(a) $3m + 5 = 8$ (b) $m + 5 = 8$ (c) $\frac{1}{3}m + 5 = 8$ (d) $\frac{1}{3}m + 8 = 5$

SECTION – B(2 marks each)

- Raju’s father’s age is 5 years more than three times Raju’s age. Find Raju’s age, if his father is 44 years old.

12. Find the product, using suitable properties:

(a) $15 \times (-25) \times (-4) \times (-10)$

(b) $625 \times (-35) + (-625) \times 65$

13. Arrange $\frac{1}{5}$, $\frac{3}{7}$, $\frac{7}{10}$ in descending order.

SECTION – C(3 marks each)

14. Sameera purchased $3\frac{1}{2}$ kg apples and $4\frac{3}{4}$ kg oranges. What is the total weight of fruits purchased by her? What are the benefits of eating fruits?

15. Maya, Madhura and Mohsina are friends studying in the same class. In a class test in geography, Maya got 16 out of 25. Madhura got 20. Their average score was 19. How much did Mohsina score?

16. The scores in mathematics test (out of 25) of 15 students is as follows:

19, 25, 23, 20, 9, 20, 15, 10, 5, 16, 25, 20, 24, 12, 20

Find the mode and median of this data. Are they same?

17. A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 10 hours after the process begins?

SECTION – D(4 marks each)

18. Following data gives total marks (out of 600) obtained by six children of a particular class. Represent the data on a bar graph.

Students	Ajay	Bali	Dipti	Geetika	Hari	Faiyaz
Marks Obtained	450	500	300	360	400	540

19. In a class of 40 students $\frac{1}{5}$ of the total number of students like to study English, $\frac{2}{5}$ of the total number like to study mathematics and the remaining students like to study Science.

(i) How many students like to study English?

(ii) How many students like to study Mathematics?

(iii) What fraction of the total number of students like to study Science?

20. Solve the following:

(a) Smita's mother is 34 years old. Two years from now mother's age will be 4 times Smita's present age. What is Smita's present age?

(b) Sachin scored twice as many runs as Rahul. Together, their runs fell two short of a double century. How many runs did each one score?

