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SAMPLE PAPER 03 : PERIODIC TEST – 1 (2017 – 18)
CLASS – VII
MATHEMATICS

T.T. 1:30

M.M. 40

General Instructions:

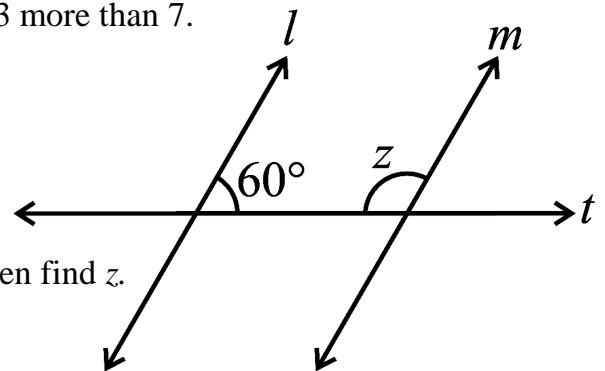
1. All questions are compulsory.
2. Question paper is divided into four sections: Section A contains 4 questions each carry 1 mark, Section B contains 4 questions each carry 2 marks, Section C contains 4 questions each carry 3 marks and Section D contains 4 questions each carry 4 marks.

SECTION – A(1 marks each)

1. Evaluate: $[(-16) \div 4] \div (-2)$
2. Express 4 kg 8 g in kg.
3. Find the complementary angle of 40° .
4. Solve: $28 = 4 + 3(t + 5)$

SECTION – B(2 marks each)

5. Write down a pair of integers whose (a) sum is -3 (b) difference is -5
6. Find a number, such that one fourth of the number is 3 more than 7.
7. Arrange $\frac{2}{3}$, $\frac{8}{21}$, $\frac{2}{9}$ in descending order.



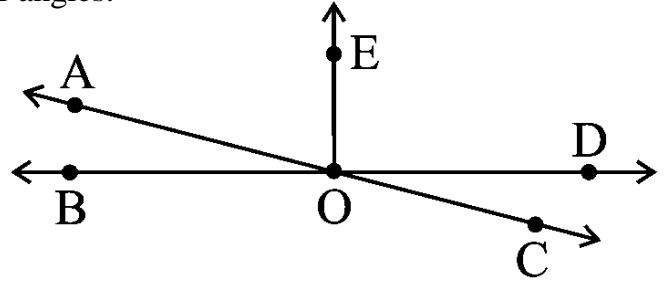
8. In the adjoining figure, lines $l \parallel m$; t is a transversal then find z .

SECTION – C(3 marks each)

9. 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?
10. 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?
11. 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?

12. In the adjoining figure, name the following pairs of angles.

- (i) Equal supplementary angles
- (ii) Unequal supplementary angles
- (iii) Adjacent angles that do not form a linear pair



SECTION – D(4 marks each)

13. In a class test containing 10 questions, 5 marks are awarded for every correct answer and (–2) marks are awarded for every incorrect answer and 0 for questions not attempted.

- (i) Mohan gets four correct and six incorrect answers. What is his score?
- (ii) Reshma gets five correct answers and five incorrect answers, what is her score?
- (iii) Heena gets two correct and five incorrect answers out of seven questions she attempts. What is her score?

14. Sali 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. How can we save our environment?

15. 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):

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

16. In the adjoining figure, identify

- (i) the pairs of corresponding angles.
- (ii) the pairs of alternate interior angles.
- (iii) the pairs of interior angles on the same side of the transversal.
- (iv) the vertically opposite angles.

