

**KENDRIYA VIDYALAYA GACHIBOWLI, HYDERABAD**  
**SAMPLE PAPER 01 : PERIODIC TEST – 1 (2017 – 18)**  
**CLASS – VII**  
**MATHEMATICS**

**T.T. 1:30**

**M.M. 40**

**General Instructions:**

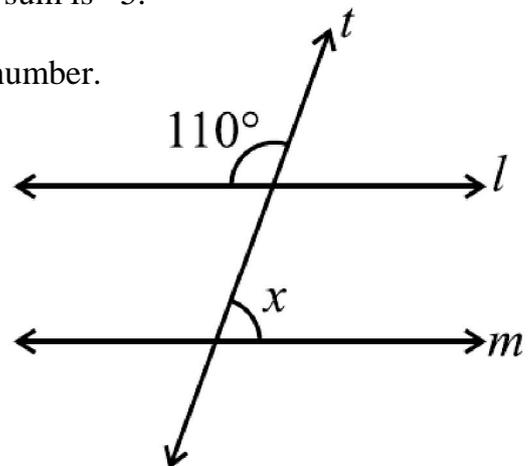
- All questions are compulsory.
- Question paper is divided into four sections: Section A contains 4 questions each carry 1 mark, Section B contains 4 questions each carry 2 marks, Section C contains 4 questions each carry 3 marks and Section D contains 4 questions each carry 4 marks.

**SECTION – A(1 marks each)**

- Evaluate:  $[(-6) + 5] \div [(-2) + 1]$
- Express 7 rupees 7 paise as rupees using decimals.
- Find the angle which is equal to its complement.
- Solve:  $3n + 7 = 25$

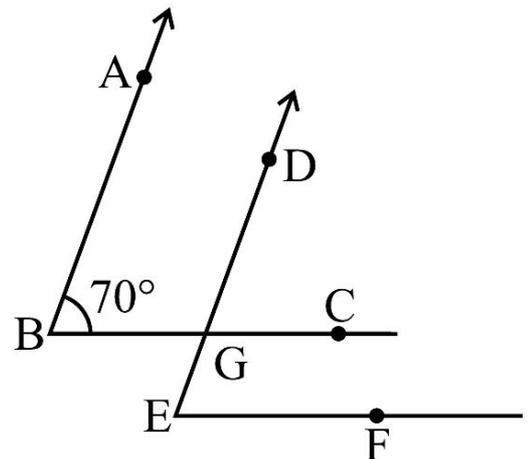
**SECTION – B(2 marks each)**

- (a) Write a pair of negative integers whose difference gives 8.  
(b) Write a negative integer and a positive integer whose sum is  $-5$ .
- The sum of three times a number and 11 is 32. Find the number.
- Arrange  $\frac{2}{9}$ ,  $\frac{2}{3}$ ,  $\frac{8}{21}$  in descending order.
- Find the value of  $x$  in the given figures if  $l \parallel m$ .



**SECTION – C(3 marks each)**

- Shyama bought 5 kg 300 g apples and 3 kg 250 g mangoes. Sarala bought 4 kg 800 g oranges and 4 kg 150 g bananas. Who bought more fruits? What are the benefits of eating fruits?
- In the given figure, the arms of two angles are parallel. If  $\angle ABC = 70^\circ$ , then find (i)  $\angle DGC$  (ii)  $\angle DEF$



11. The teacher tells the class that the highest marks obtained by a student in her class is twice the lowest marks plus 7. The highest score is 87. What is the lowest score?
12. The runs scored in a cricket match by 11 players is as follows:  
6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15  
Find the mean, mode and median of this data. Are the three same?

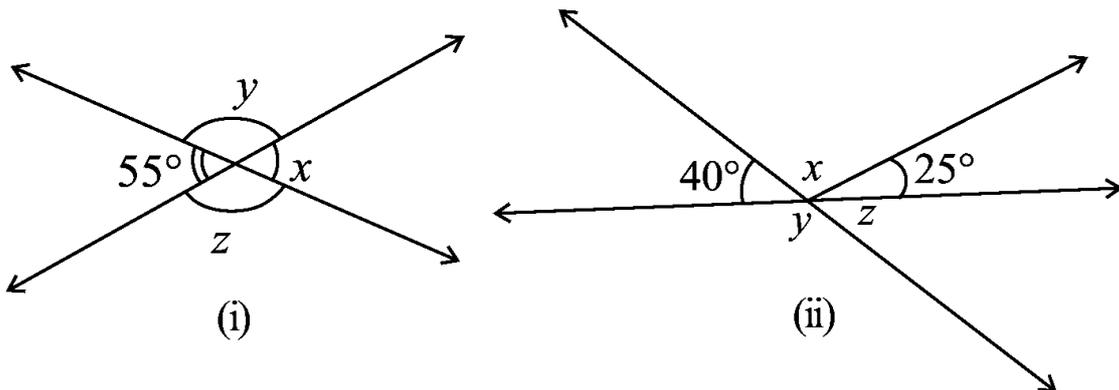
**SECTION – D(4 marks each)**

13. In a class test containing 15 questions, 4 marks are given for every correct answer and (–2) marks are given for every incorrect answer. (i) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score?
14. Two hundred students of 6th and 7th class were asked to name their favourite colour so as to decide upon what should be the colour of their School Building. The results are shown in the following table. Represent the given data on a bar graph.

Favourite Colour	Red	Green	White	Yellow	Blue
Number of Students	43	19	55	49	34

Answer the following questions with the help of the bar graph:

- (i) Which is the most preferred colour and which is the least preferred?  
(ii) How many colours are there in all? What are they?
15. Find the values of the angles  $x$ ,  $y$ , and  $z$  in each of the following:



16. Manoj donated a rectangular plot combined with triangular plot for a school, in Mahuli village. Find the perimeters of (i) triangle ABE (ii) the rectangle BCDE in this figure. Whose perimeter is greater? What value is depicted from this?

