# INDIAN SCHOOL MUSCAT MIDDLE SECTION SECOND PERIODIC TEST 2019-20 MATHEMATICS (SET-A) 

Code:MXM10
Time Allotted: 40 Minutes
Max .Marks: 20

## General Instructions.

1. The question paper comprises of three sections $\mathbf{A}, \mathbf{B}$, and $\mathbf{C}$. You have to attempt all the sections.
2. All the questions are compulsory.
3. All the answers should be written in the answer sheet provided.
Q.NO1.

SECTION A ( '1' MARK EACH ) - TOTAL - 04 MARKS
(a) An exterior angle of a triangle is $100^{\circ}$ and one of the two interior opposite angles is $30^{\circ}$. Find the other angle.
(b) One of the acute angles of a right triangle is $40^{\circ}$. Find the other acute angle.
(c) The lengths of two sides of a triangle are 6 cm and 8 cm . Between what two measures should the length of the third side fall?
(d) Find the measure of each angle of a triangle LMN, if all the 3 angles are equal.
Q.NO2.

SECTION B - ( '2' MARKS EACH ) - TOTAL - 10 MARKS
(a) Construct a triangle LMN in which $\mathrm{LM}=6 \mathrm{~cm}, \mathrm{MN}=3 \mathrm{~cm}$ and $\mathrm{LN}=5 \mathrm{~cm}$.
(b) Verify if $5 \mathrm{~cm}, 7 \mathrm{~cm}, 9 \mathrm{~cm}$ can be the lengths of the sides of a triangle.
(Show the working)
(c) Construct a triangle PQR , given that $\mathrm{PQ}=4 \mathrm{~cm}, \mathrm{QR}=6.5 \mathrm{~cm}$ and $/ \mathrm{PQR}=60^{\circ}$
(d) In $\triangle P Q R, P R=P Q$. Find the values of $/ \underline{Q R P}, / \underline{P Q R}, \underline{R P Q}$

(e) The three angles of a triangle are in the ratio 5:6:7. Find the largest angle.
Q.NO.

SECTION - C (' 3 ' MARKS EACH ) - TOTAL - 06 MARKS
Marks
3. The hypotenuse of a right triangle is 17 cm long. If one of the remaining two sides is of length 8 cm , find the length of the other side.
4. Draw a line m parallel to the given line n at a distance of 4.8 cm away from it.

