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**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
SECOND PERIODIC TEST 2018-19
SUBJECT – MATHEMATICS(SET B)**



CLASS : 07
16.01.2019

Code:MXM01
Time Allotted: 40 Minutes
Max .Marks: 20

General Instructions:

- 1.The question paper comprises of three sections A ,B, and 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.NO.1 **Marks**

SECTION A - FILL IN THE BLANKS

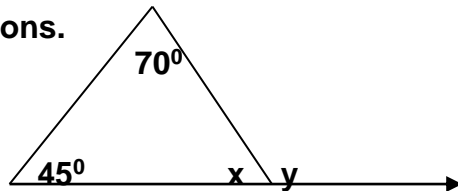
- (a) Two angles of a triangle are 60° and 25° ,the measure of third angle is _____ . 1
- (b) The longest side in the ΔPQR ,right angled at Q is _____ . 1
- (c) The exterior angle of a triangle is 105° , the measure of its adjacent interior angle is _____ . 1

Q.NO.2 **Marks**

SECTION B-‘2’ MARK QUESTIONS

- (a) Construct ΔPQR in which $PQ = 6\text{cm}$, $QR = 3.5\text{cm}$ and $PR = 5\text{cm}$. 2

Find the values of x, y . Give reasons. 2

- (b)  2

- (c) Is it possible to draw a triangle with sides 7.5cm , 3.5cm , 5.5cm . Give reason. 2

- (d) Find the length of the side PQ in the right triangle PQR with sides $QR=8\text{cm}$, $PR =10\text{cm}$ and $\angle Q = 90^\circ$. 2

Q.NO **Marks**

SECTION - C (‘3’ MARK EACH – TOTAL (10 MARKS))

- 3 Construct ΔABC in which $BC=5\text{cm}$, $AB= 8\text{cm}$ and $\angle C =90^\circ$ 3
- 4 A 20m long ladder reached a window 16m high from the ground on placing it against a wall at a certain distance. Find the distance of the foot of the ladder from the wall. 3
- 5 Draw a line AB and consider a point P not on it. Through P , draw a line XY parallel to line AB. 3