

O.P. JINDAL SCHOOL, SAVITRI NAGAR

Periodic Test – I (Round – I) 2025 – 26

Class/Section : VII / _____

MM : 20

Subject : Mathematics

Time : 1 Hr.

Name: _____

Roll No. _____

General Instructions: All questions are compulsory.

- i. Questions 1 to 8 are of 1 Mark.
- ii. Questions 9 to 11 are of 2 Marks.
- iii. Questions 12 to 13 are of 3 Marks.

Section A

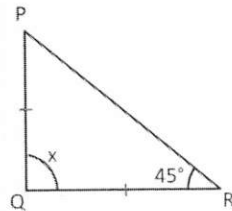
Multiple choice questions:

1. What is the measure of each angle in an equilateral triangle?
a) 30° b) 45° c) 90° d) 60°
2. The sum of any two sides of a triangle is always _____ the third side.
a) less than b) greater than c) equal to d) none of these
3. In an isosceles triangle, if one base angle is 40° , the measure of the other base angle is
a) 90° b) 180° c) 40° d) 140°
4. Which triangle have all the sides are unequal?
a) Equilateral b) Scalene c) Isosceles d) none of these
5. The triangle whose lengths of sides are 3 cm, 4 cm, 5 cm is a
a) obtuse-angled triangle c) acute-angled triangle
b) right-angled triangle d) none of these
6. A/an _____ connect a vertex of a triangle to the mid-point of the opposite side.
a) altitude b) median c) vertex d) none of these
7. How many altitudes can a triangle have?
a) 1 b) 2 c) 3 d) 0
8. One of the angles of a triangle is 110° and the other two angles are equal, what is the measure of each of these equal angles
a) $35^\circ, 35^\circ$ b) $40^\circ, 40^\circ$ c) $11^\circ, 11^\circ$ d) $80^\circ, 80^\circ$

Section B

Answer the following:

9. Two angles of a triangle are 40° and 70° . Find the measure of the third angle.
10. Is it possible to have a triangle with the sides 7 cm, 5 cm and 3 cm?
11. Find angle x in the given figure.



OR

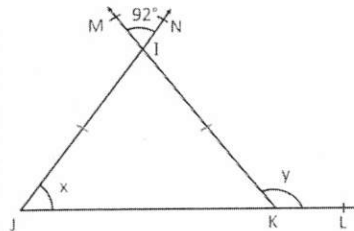
The two interior opposite angles of an exterior angle of a triangle are 60° and 80° . Find the measure of the exterior angle.

Section C

12. The three angles of a triangle are in the ratio 1:2:3. Find all the three angles of the triangle.

OR

Find the value of the unknown x and y in the given figure.



13. Find the value of the unknown x and y in the given figure by using suitable properties.

