

T2- Practical Geometry
Model Question Paper VII
9th Standard

Maths

Reg.No. :

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I. Answer all the questions

Time : 00:45:00 Hrs

Total Marks : 25

2 x 2 = 4

Part-A

- 1) Construct the incentre of $\triangle ABC$ with $AB = 7\text{cm}$, $\angle B = 50^\circ$ and $BC = 6\text{cm}$. Also draw the incircle and measure its inradius.
- 2) Construct the centroid of $\triangle ABC$ whose sides are $AB=6\text{cm}$, $BC=7\text{ cm}$, and $AC=5\text{cm}$.

Part-B

7 x 3 = 21

- 3) Draw the incircle of $\triangle ABC$ in which $AB = 6\text{ cm}$, $AC = 7\text{ cm}$ and $\angle A = 40^\circ$. Also find its inradius.
- 4) Construct an equilateral triangle of side 6cm and draw its incircle.
- 5) Construct the $\triangle ABC$ such that $AB = 6\text{cm}$, $BC = 5\text{cm}$ and $AC = 4\text{cm}$ and locate its centroid.
- 6) Draw and locate the centroid of triangle LMN with $LM = 5.5\text{cm}$, $\angle M = 100^\circ$ $MN = 6.5\text{cm}$
- 7) Draw a equilateral triangle of side 7.5cm and locate the centriod
- 8) Draw the right triangle whose sides are 3cm , 4cm and 5cm and construct its centroid.
- 9) Draw the $\triangle PQR$, where $PQ = 6\text{cm}$, $\angle P = 110^\circ$ and $QR = 8\text{cm}$ and construct its centroid.

