

**Anita's Coaching Classes**  
**PRACTICAL GEOMETRY**

**Marks : 30**  
**Time : 2hrs**

- Q.1. Draw a line SQ. Draw another line parallel to SQ at a distance of 5cm from it.
- Q.2. Draw a triangle  $\triangle XYZ$  with side  $XY=6\text{cm}$ ,  $YZ=7\text{cm}$ ,  $ZX=8\text{cm}$ ? What type of triangle it is?
- Q.3. Draw a triangle  $\triangle LMN$  with  $LM=3\text{cm}$ ,  $MN=4\text{cm}$  and  $m\angle M=60^\circ$ .
- Q.4. Draw  $\triangle PQR$  in which  $QR=8\text{cm}$   $m\angle Q=50^\circ$  and  $m\angle P=50^\circ$ .
- Q.5. Draw a  $\triangle STR$  in which  $\angle S=90^\circ$   $\angle T=60^\circ$ ,  $SR=6\text{cm}$ .
- Q.6. Draw a  $\triangle BRT$  in which  $\angle B=30^\circ$   $\angle R=90^\circ$ ,  $BT=6\text{cm}$ .
- Q.7. Construct a  $\triangle LMN$  in which  $\angle L = 105^\circ$ ,  $\angle N = 30^\circ$  and  $LM = 7\text{ cm}$ .
- Q.8. Draw a right-angled triangle  $\triangle ABC$   $AB=5.8\text{cm}$ ,  $BC=4.5\text{cm}$ ,  $\angle B=90^\circ$ .
- Q.9. Draw a right-angled triangle  $\triangle LAN$ ,  $LA=3\text{cm}$ ,  $AN=4\text{cm}$ ,  $\angle A=90^\circ$ .
- Q.10 Draw a right-angled triangle whose hypotenuse is of length 5cm and one of the sides is of length 4 cm.