Exercise 12A

Question 5:

(i) Draw a line XY.
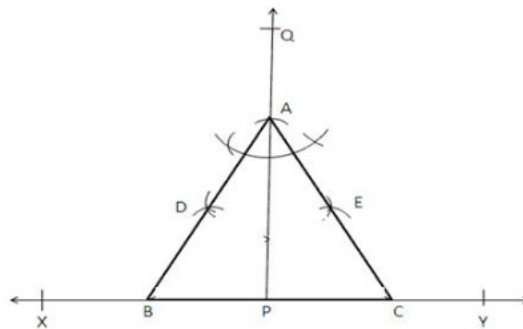
(ii) Mark any point P on it.
(iii) From P, draw PQ ⊥ XY.
(iv) From P, set off PA=5.4 cm cutting PQ at A.
(v) Construct ∠PAB =30⁰ and ∠PAC =30⁰, meeting XY at B and C respectively.
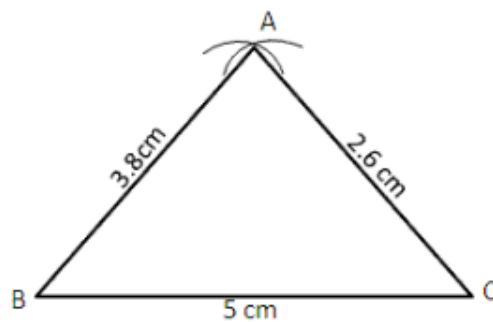
∴ △ ABC is required equilateral triangle.

Question 6:

Steps of construction:

(i) Draw a line segment BC = 5 cm.
(ii) With centre B and radius equal to 3.8 cm draw an arc.
(iii) With centre C and radius equal to 2.6 cm draw another arc which cuts the previous drawn arc at A.
(iv) Join AB and AC. ∴ △ ABC is required equilateral triangle.

*********** END *********