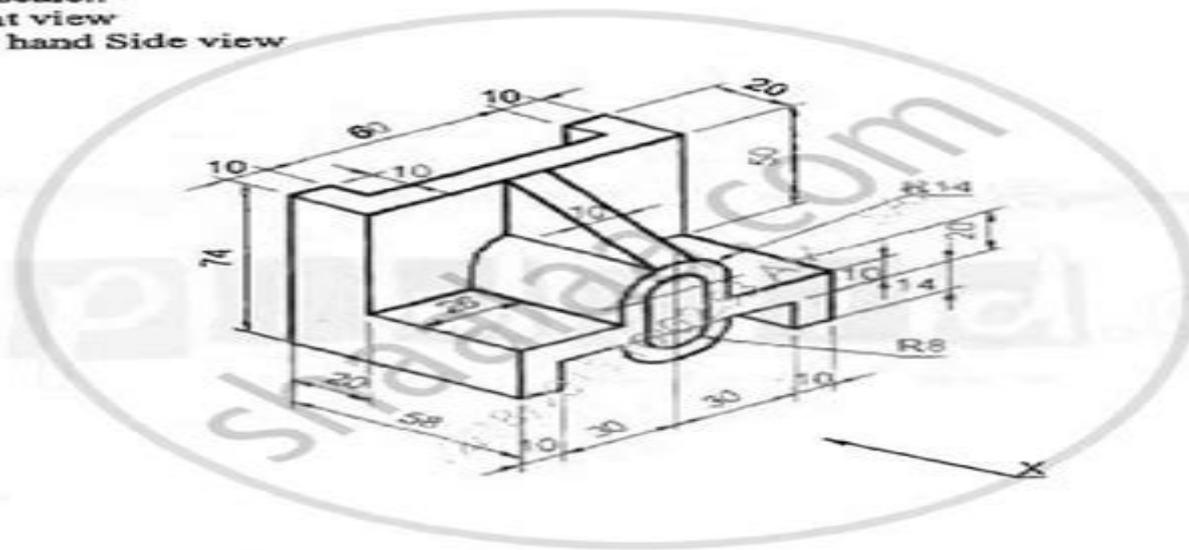


NB:

- 1) Question No 1 is compulsory.
- 2) Answer any Three from the remaining Five.
- 3) Use first angle projection method only.
- 4) Figures to the right indicate full marks.

- Q1 a) Figure given below shows two views of an object. Draw the following views to full scale:-
- i) Front view
 - ii) Left hand Side view

5
4



- b) Draw an involute of a circle of 40 mm diameter. Also draw the normal and tangent to the curve at a point 80 mm from the centre of the circle. 6
- Q2 a) The front view of a line AB 80 mm long, measures 60 mm. The end A is 15 mm in front of VP and 10 mm above HP. The end B is in third quadrant. Draw the projections of the line, if the line is inclined 30° to HP. Also find the inclination of line with VP. 7

[TURN OVER]

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