Code: 15A03101a

# B.Tech I Year I Semester (R15) Regular \& Supplementary Examinations December 2017 ENGINEERING DRAWING 

(Answer all five units, $05 \times 14=70$ Marks)

## UNIT - I

4 (a) A point P is 40 mm infront of $\mathrm{VP}, 50 \mathrm{~mm}$ above HP and 60 mm infront of right PP. Draw its projections.
(b) A point lies on $\mathrm{HP}, 40 \mathrm{~mm}$ infront of VP and 50 mm infront of right profile plane. Draw its projections

## UNIT - III

A circle of 50 mm diameter rolls along a line. A point on the circumference of the circle is in contact with the line in the beginning and after one complete revolution. Draw the cycloidal path of the point. Draw a tangent and normal at any point on the curve.

OR 40 mm , resting on HP with one of the base edges parallel to VP.

## UNIT - V

9 A combination of the solids is formed as follows. A frustum of a cone 25 mm top diameter 50 mm bottom diameter and 50 mm high is placed vertically on a cylindrical block of 75 mm diameter and 25 mm thick such that both the solids have the common axis. Draw the isometric projection of the combinations of the solids.

OR
Contd. in page 2

Figure shows the pictorial view of an object. Draw the top, front and side view. Show the dimensions of the views.


