

Roll No.:.....

National Institute of Technology, Delhi

Name of the Examination: B. Tech.

Branch : EEE Semester : 2nd
Title of the Course : ENGINEERING VISUALIZATION Course Code : MEB 100

Time: 3 Hours

Maximum Marks: 50

1. Front view of line AB is 50 degree inclined to XY line and measure 55 mm long. While its Top view is 60 degree inclined to XY line. If end A is 10 mm above HP and 15 mm in front of VP. Draw its projections, find true length, angle of inclination of line with HP and VP. [7]
2. A regular pentagonal plane ABCDE of 40 mm side has side AB in the HP making an angle of 15° with the VP. The plane makes angle of 50° with HP and the point D lies in the VP. Draw its projections. [10]
3. The distance between Delhi and Agra is 200km. In a railway map, it is represented with 5cm long line. Find its RF. Draw a diagonal scale to show 1km and max 600km. [5]
4. An inelastic string 165mm long has its one end attached to circumference of circular disk of 50mm diameter. Draw the curve traced out by the other end of string when it is completely wound around the disc keeping the string always tight. [8]
5. Draw the Isometric view of a vertical cylinder of diameter 60mm and height is 70mm. [10]
6. Draw the Orthographic projection of this given Figure. [10]

