

**Indian Institute of Technology
Kanpur
TA101: Engineering Graphics
2021 – 2022 Sem II**

**Lab Assignment no.4
Isometric and Oblique Projection/Views**

- a) All problems to be done on separate A4 size sheet.
- b) Write your name, roll no. etc in the title block using blue pen.

Question 1

Orthographic views of an object are shown in Figure1 below in third angle projection. Draw the isometric projection of the object using the scale drawn in question 3 of lab assignment 3. Dimension the drawing (only basic dimensions). Please note that the actual dimensions are mentioned and not the scaled dimensions. Also, the scale is mentioned as NTS (Not to Scale) in your solution. **(40 Marks)**

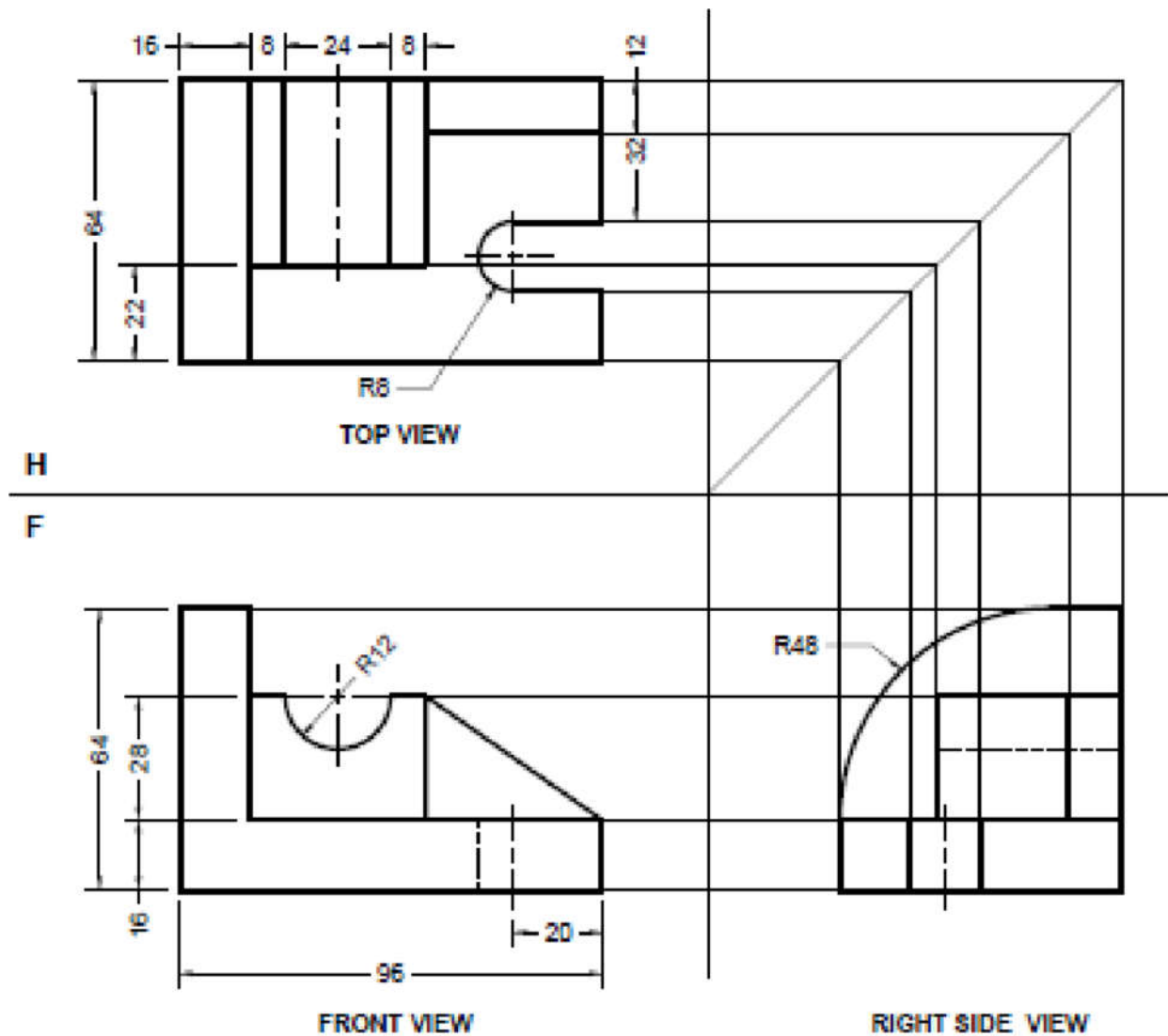


Figure-1

Question 2

Make a cabinet oblique view drawing of the object shown in Figure2. Take the depth angle as 30° from the horizontal. Dimension the view. **(30 Marks)**

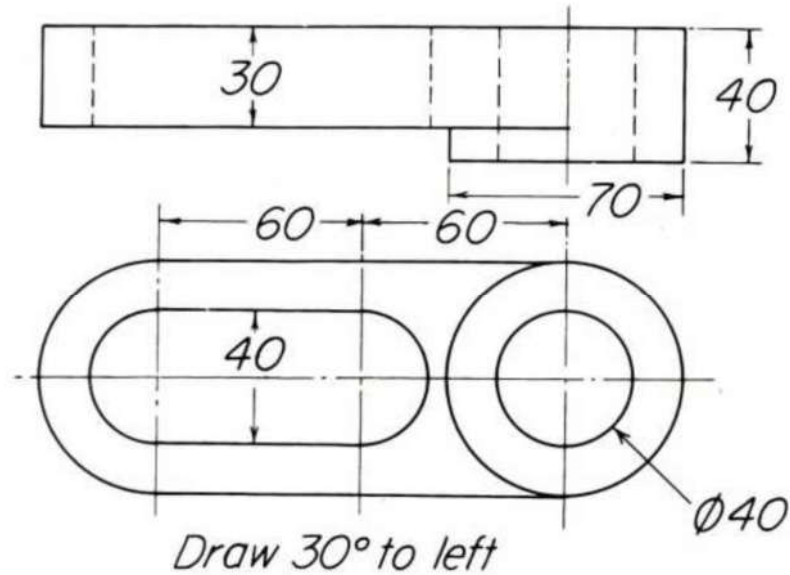


Figure-2 Third Angle Projection

Question 3

The orthographic projection of an object is shown in Figure3 below. Draw the cavalier oblique view of the object again at an angle of 30° to the top and right. Do not dimension. **(30 Marks)**

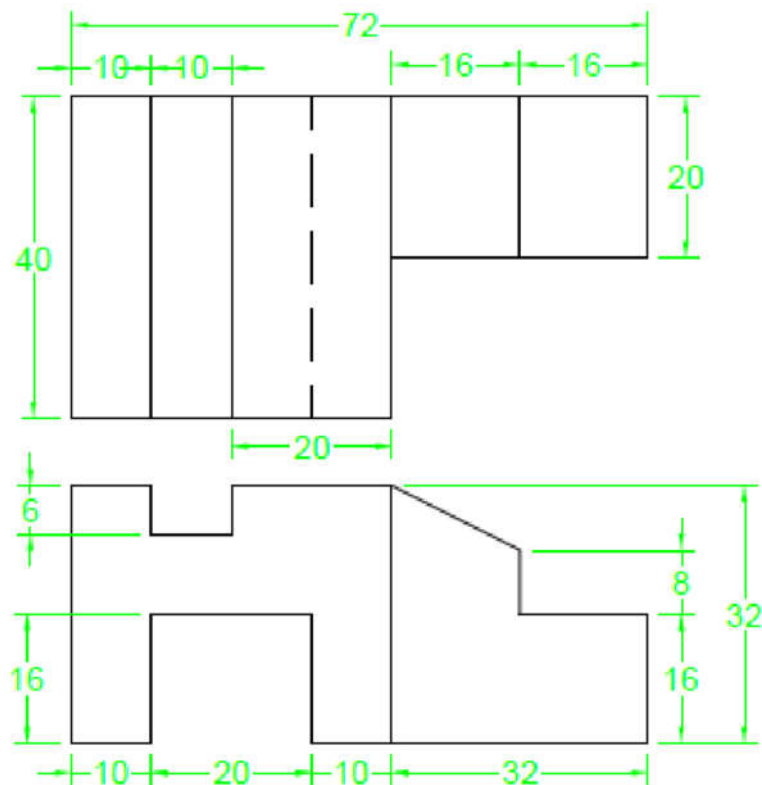


Figure-3