### INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY

## **Department of Mechanical Engineering**

ME-119 Engineering Drawing & Graphics

2017-18 Semester II

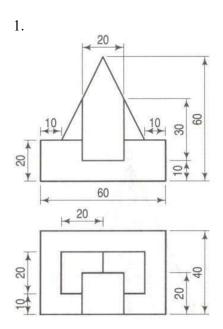
# **Sheet 10: Isometric Projection**

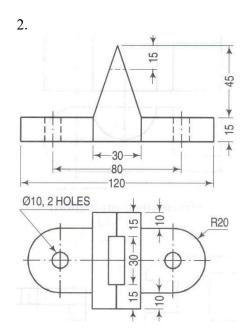
### **Instructions:**

- Practice all problems roughly before coming to the Drawing Session.
- For more details of the exercises in this sheet, refer Chapter 17 of the textbook (N. D. Bhatt, Engineering Drawing, 52<sup>nd</sup> Ed.).
- Scale, dimension the drawings suitably. Label the important nodes/points on the drawings. Mention the scale if it is not 1:1.
- Make the title block and name plate before starting the drawing.
- Use 1st angle projection unless mentioned otherwise.

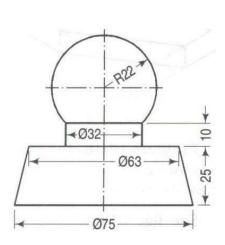
## **Questions:**

Draw the isometric view (i.e. <u>no need</u> to scale lengths with 0.81 in isometric view) of the objects whose first angle orthographic projections are given in the following figures.

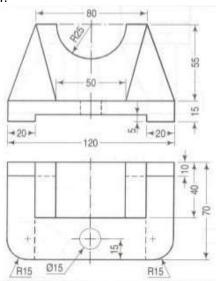




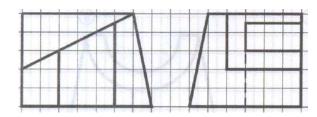
3.



4.



5. Each square is 10 mm x 10 mm



6. Each square is 10 mm x 10 mm

