

**INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY**  
**Department of Mechanical Engineering**

ME-119 Engineering Drawing & Graphics

2015-16 Spring Semester

Sheet 9: Isometric Projections

Note:

- Practice all problems 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, 50<sup>th</sup> Ed.).
- For FIGURES 9, 10, 11 and 12, each square is 10 mm x 10 mm**

Draw the isometric projections of the objects whose first angle orthographic projections are given in the following figures. Use isometric scale. No need to show dimension and hidden lines.

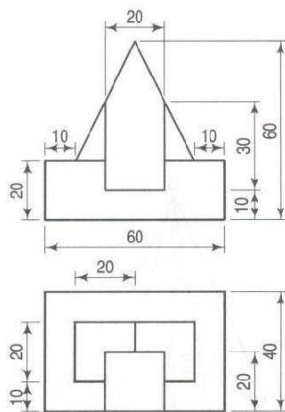


Figure 1

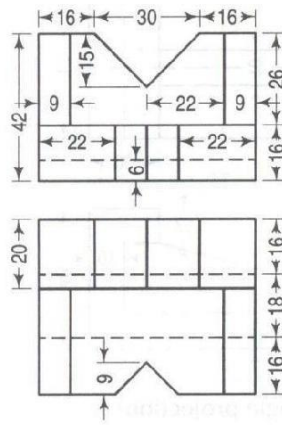


Figure 2

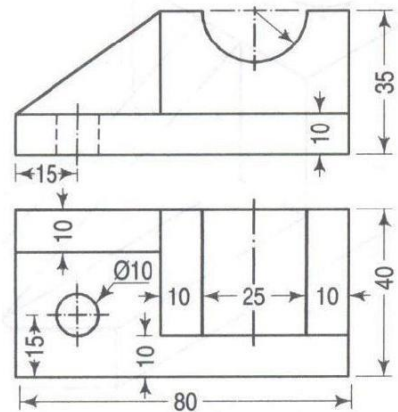


Figure 3

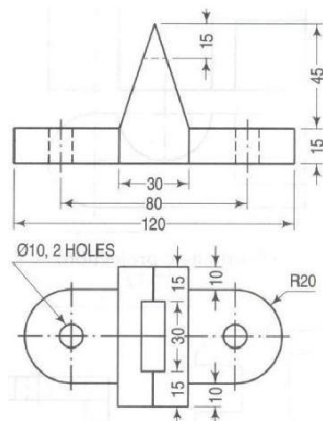


Figure 4

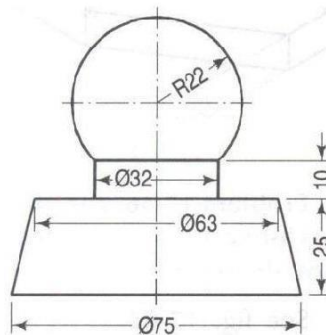


Figure 5

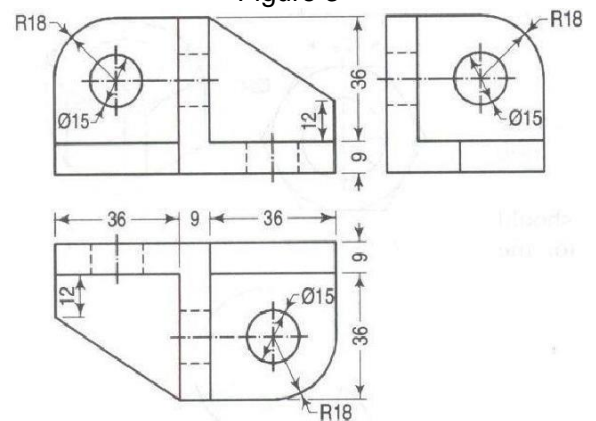


Figure 6

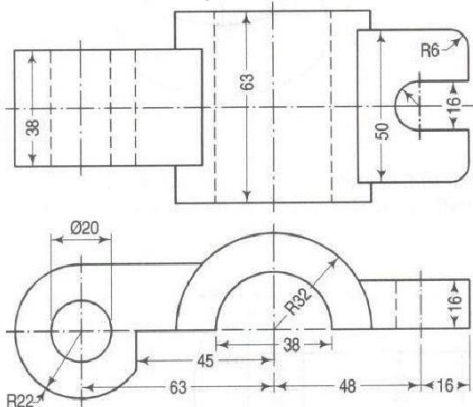


Figure 7

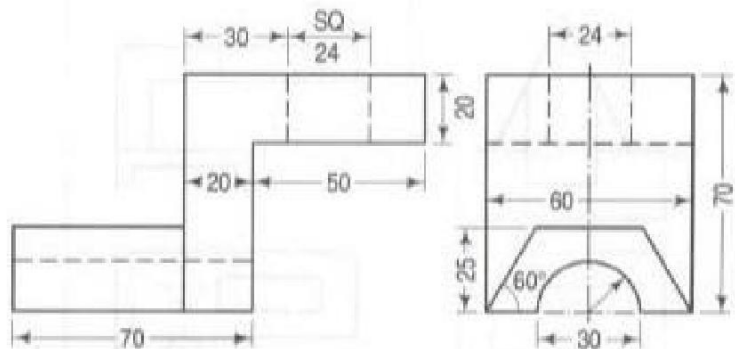


Figure 8

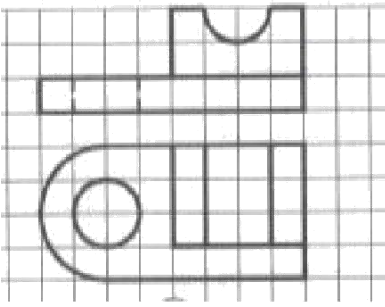


Figure 9

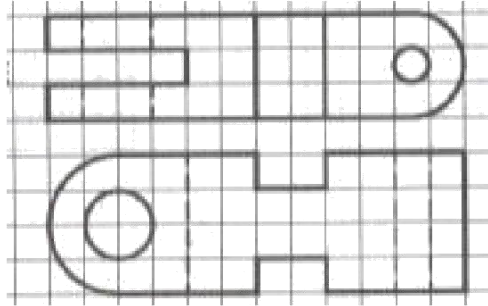


Figure 10

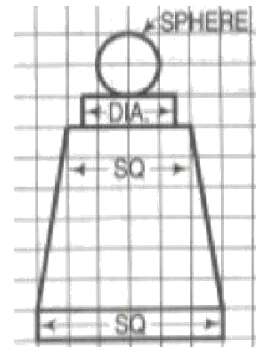


Figure 11

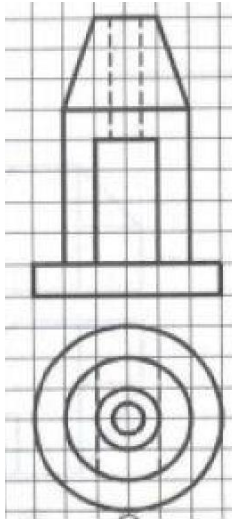


Figure 12

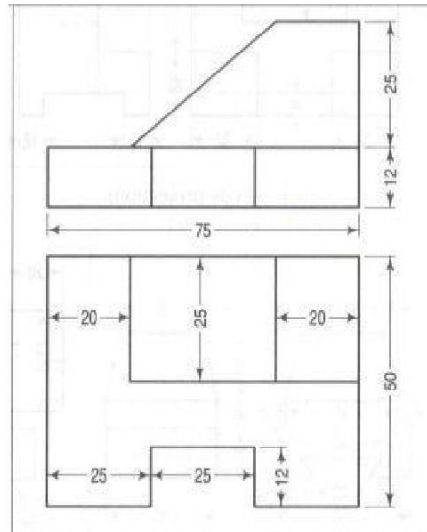


Figure 13

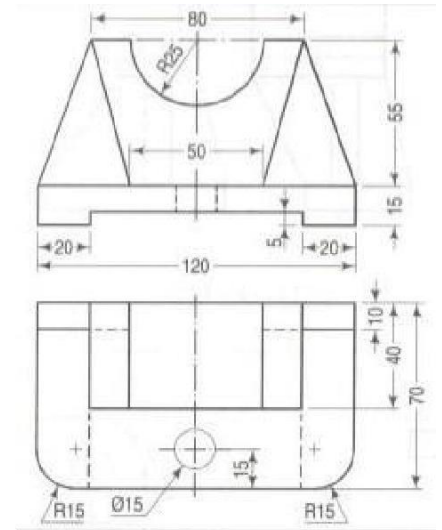


Figure 14