

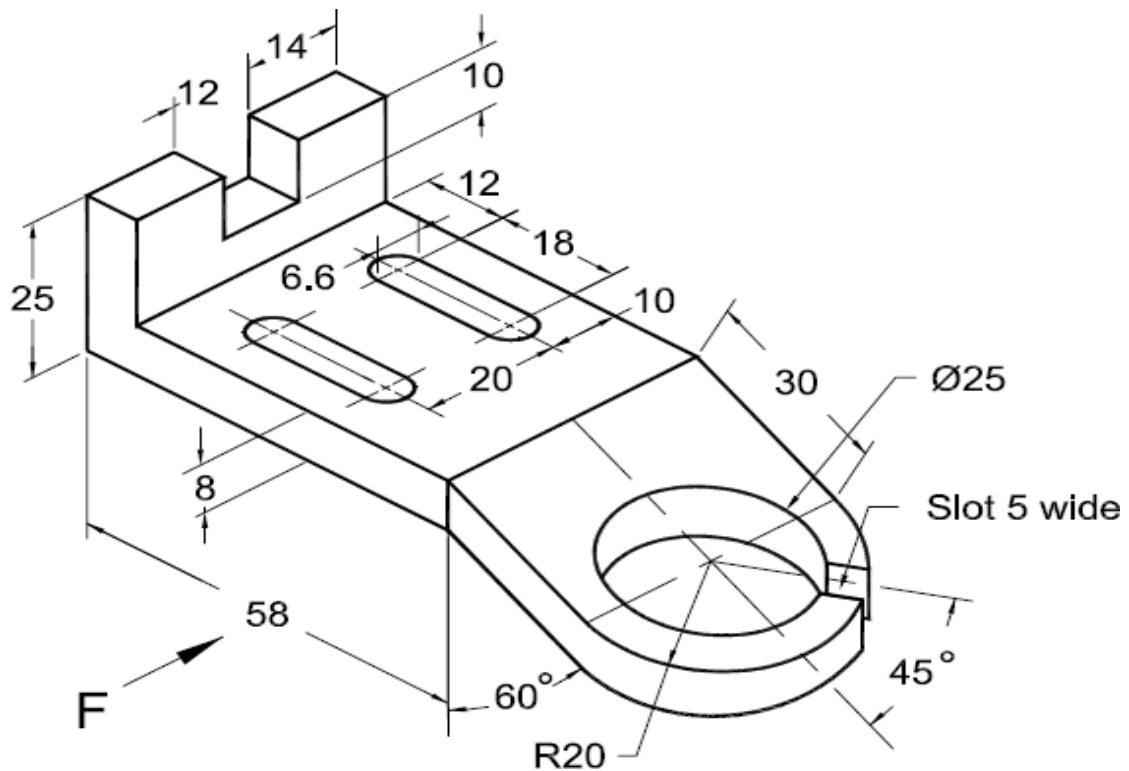
Indian Institute of Technology Kanpur
TA101: Engineering Graphics
2021 – 2022 Sem II

Lab Assignment no. 7
Auxiliary Views

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

Question 1

For the solid given in Figure below, draw the front and top view (in third angle projection) and a normal view of the inclined surface showing its true shape. Note that the circles on the inclined surface will become ellipses in the top view. The endpoints of the major and minor diameters can be obtained by appropriate projections from the front view and any appropriate method for drawing ellipses can be used including the approximate four-centered method discussed in lecture 1. **(50 Marks)**



Question 2

For the solid given in Figure below, draw the front and top view (in third angle projection) and a normal view of the inclined surface showing its true shape.

Note again that there are circular features on the inclined surface which will become elliptical in the top view. The endpoints of the major and minor diameters can be obtained by appropriate projections from the front view and any appropriate method for drawing ellipses can be used including the approximate four-centered method discussed in lecture 1. (50 Marks)

