

Question Bank (K scheme)

Name of subject: EDR
Subject code: 312311
Semester: II

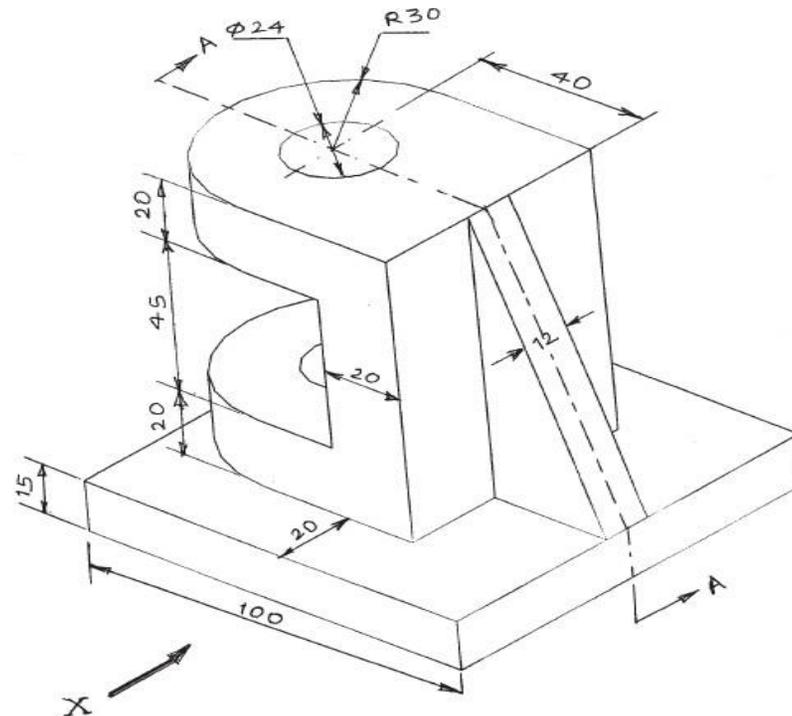
Unit Test :I
Course :ME

Chapter 1. SECTIONAL ORTHOGRAPHIC VIEWS

(7M)

1. A pictorial view of the object is shown in Figure. Draw the following views (Use First angle method)

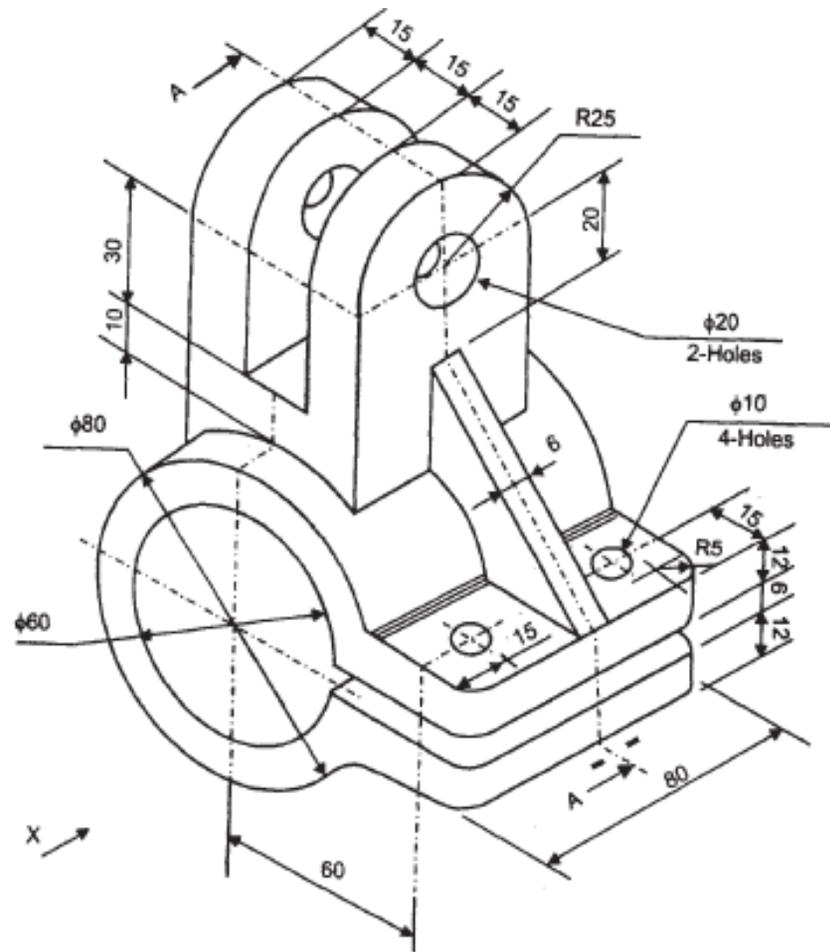
- (i) Sectional front view along A - A.
- (ii) Top view



3. A pictorial view of the object is shown in Figure. Draw the following views (Use First angle method)

(i) Sectional front view along A - A.

(ii) Top view



Chapter 2. PROJECTION OF STRAIGHT LINES AND PLANES (6M)

- 1. Line AB 90 mm long has its end A 20 mm above HP and 25 mm in front of VP. The line is inclined at 30° to HP and 45° to V.P. draw the projections.**
- 2. A line AB, 60mm long has its end A 25mm above HP and 30mm in front of VP. It is inclined at 30° to the HP and 45° to the VP. Draw its front view and top view.**
- 3. The top view of a 75 mm long line AB measures 65 mm, while the length of its front view is 50 mm. It's one end A is in the H.P. and 12 mm in front of V.P. Draw the projections of AB and determine its inclination with the H.P. & V.P.**
- 4. Line AB 75mm long has its end point A 15mm above HP and 10mm in front of VP and end point B 45mm above HP and 50mm in front of VP. Determine true inclination of the line with HP and VP.**
- 5. A circular plate of 45mm diameter has one point on circumference resting on the H.P. it is inclined at 60° to the H.P. draw the three views and neglect the thickness of the plate.**
- 6. A hexagonal plate of negligible thickness is resting on one side on the V.P. the plate is inclined at 45° to the VP. And perpendicular to the H.P. the side of plate is 30mm. Draw the three views.**
- 7. A pentagonal plate 30 mm side rests on H.P. on one of its corners and is inclined at 40° to H.P. and perpendicular to V.P. Draw the projections.**
- 8. A circular plate of 60 mm diameter is inclined to H.P. such that top view appears to be ellipse of minor axis 35 mm. Draw the projection of plate and find its inclination to H.P. if it is perpendicular to V.P.**