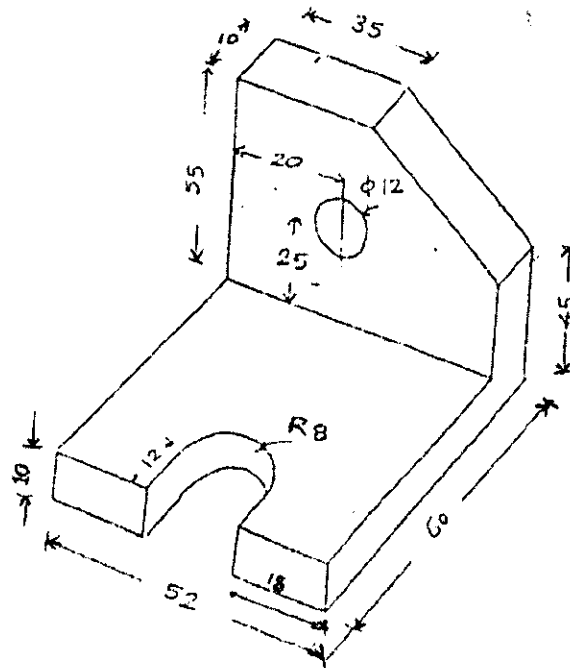


Answer any five (5) questions from the followings.

5 x 20 = 100 Marks

1. (a) Write in single stroke vertical and normal style, the following statement using 30 mm height.  
"A QUICK BROWN FOX JUMPS OVER THE LAZY DOG" 15 Marks
- (b) A point P is 30 mm above the HP and 40 mm in front of VP. Draw its projections? 5 Marks
2. (a) Major axis AB and minor axis CD are 100 cm and 70 cm long respectively. Draw an ellipse.
- (b) Point F is 50 mm from a vertical straight line AB. Draw locus of point P, moving in a plane such that it always remains equidistant from point F and line AB. 10+10 = 20 Marks
3. Draw a diagonal scale of R.F. 1:2.5 showing centimeters and millimeters and long enough to measure up to 20 centimeters. Show the distance 13.4 cm on this scale. 15+5 = 20 Marks
4. A pentagonal pyramid of 30 mm base edge and its axis 70 mm long, resting on its base on HP having a side of base perpendicular to VP. It is cut by a section plane parallel to VP and 10 mm away from the axis. Draw its sectional plane and elevation. 20 Marks
5. Draw the top view and front view of the following object using first angle projection. 20 Marks



All dimensions are in millimeter.

6. A cone of 40 mm diameter and 50 mm axis is resting on one generator on HP which makes 30° inclination with VP. Draw its projections. 20 Marks