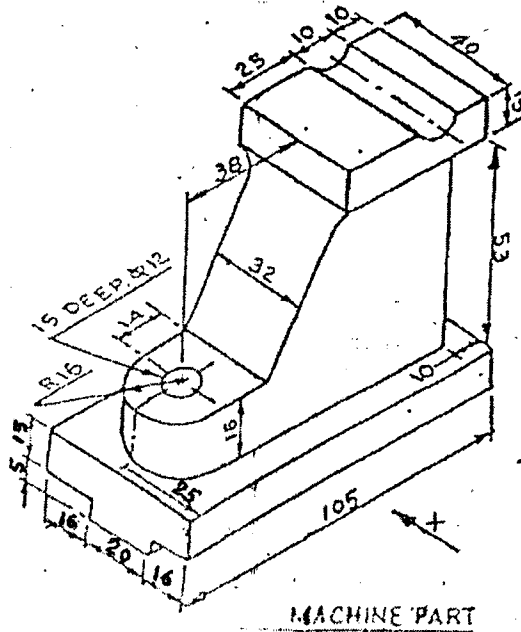


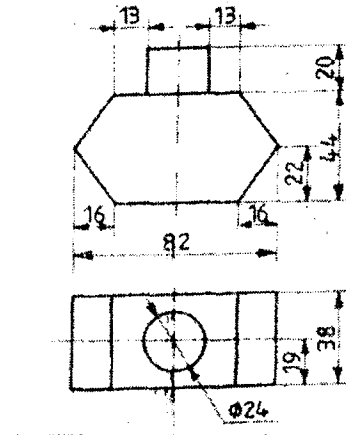
FIRST HALF

Q. 1. A triangular prism of base 30 side and axis 50 long is lying on H. P. on one of its rectangular faces, with its axis inclined at 30° to the V. P. It is cut by a section plane parallel to H. P. and at a distance of 12 above H. P. Draw the front and sectional top view.

Q. 2. Draw plan and elevation of the following object.



Q. 3. Draw the ISOMETRIC PROJECTION for the following figures



SECOND HALF

(Answer ANY TWO)

4. On an air traffic map, New Delhi and Bangalore are shown 32 c.m. apart. The actual straight distance between the two mega cities is known to be 1600 km. What is the R.F. used for the map? Draw a diagonal scale for the map which will be able to measure single km. to 800 km. Draw a rectangle of size 642 km. \times 351 km. with the help of that scale.
5. A thread of length 165 is wound round a circle of 40 diameter. Trace the path of the end point of the thread.
6. The end A of a 90 m.m. long straight line AB is 10 m.m. in front of V.P. and 20 m.m. above H.P. Draw the projections of the straight line if the elevation is inclined at 40° to H.P. and the line is inclined at 30° to V.P. Determine true inclination of the line with H.P. Also mark the H.T. and V.T. of the line.