S.2 Holiday Work

- ATTEMPT ALL QUESTIONS

1. A section of a moulding is made up of principally two quarter elliptical curves as shown below. Draw the section full size. Use two different methods of construction for the two elliptical arcs. Construction lines should be clearly shown.

![Diagram of a moulding section with construction lines and dimensions.]

2. The figure below shows a plan of a swimming pool. The curve is elliptical with a major axis of 140mm and minor axis of 92mm. The points marked P are points of tangency on the ellipse. Construct it accurately showing all the construction details.

![Diagram of a swimming pool plan with construction lines and dimensions.]

3. Construct a conic section with its distance from the directrix to the focus=35mm and ratio of eccentricity=3:5 and name it.

4. The figure below shows an isometric block. Draw it in first angle orthographic projection taking side F as the front.

5. Draw the isometric block in first angle orthographic projection having side M as the front elevation.
6. Construct the block below accurately showing all the construction details.

7. The figure below shows a block drawn in isometric projection. Construct it in first angle orthographic projection having side T as the front elevation.