BENGAL ENGINEERING AND SCIENCE UNIVERSITY, SHIBPUR B.E. 2nd SEMESTER (EE, CST, ETC & IT) FINAL EXAMINATIONS, 2013 **Subject Code: DR-1201**

Subject: Engineering Drawing

Full Marks: 70 Time: 3 hrs

(Answer questions of each halves in separate answerscripts)

First Half

Answer Question No. 1 and any one from Question No. 2 and Question No. 3

- 1. A regular square pyramid of base side 25 mm and axis length 50 mm is resting on HP on one of its base edges which is inclined at 30° to V.P. The triangular face containing that edge is vertical. Draw its Plan, Elevation and Left Side View [17]
- 2. Draw an involute of a regular hexagon having 15 mm sides.

[18]

3. Draw the Front view of the isometric drawing of a block given in Fig. Q.3 looking from the direction indicated by arrow. Also draw the Top view and Left side view of the block. All dimensions in Fig. Q.3 are in m.m. [18]

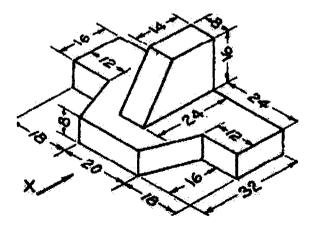
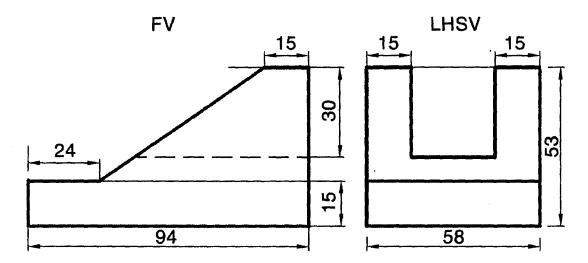


Fig Q.3

Second Half

Answer Q. 4 and any one among Q. 5. and Q. 6.

Q. 4. Draw the Isometric view of object for which front view (FV) and Left hand side view (LHSV) are given below. All dimensions are in mm. (17 Marks)



- Q. 5. A line AB, 50 mm long, is inclined to the HP at 30° and to the VP at 45°. The point A is 20 mm above the HP and 35 mm in front of the VP. Draw the projections of the line. Assume that the end A is nearer to both the Reference Planes than end B. Also draw the right side view. (18 Marks)
- Q. 6. A square ABCD of 40 mm side has its plane inclined at 30° to the VP. Its one side is inclined at 60° to the HP and parallel to the VP. Draw its plan, elevation and left side view.

 (18 Marks)