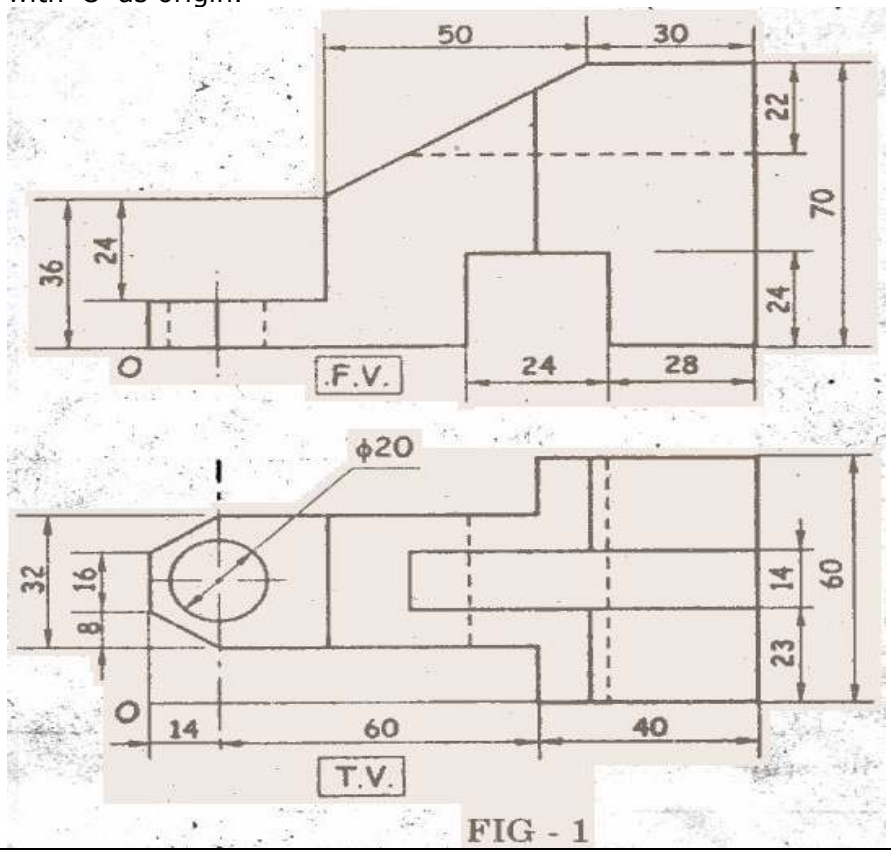
TML023/EE/20070816

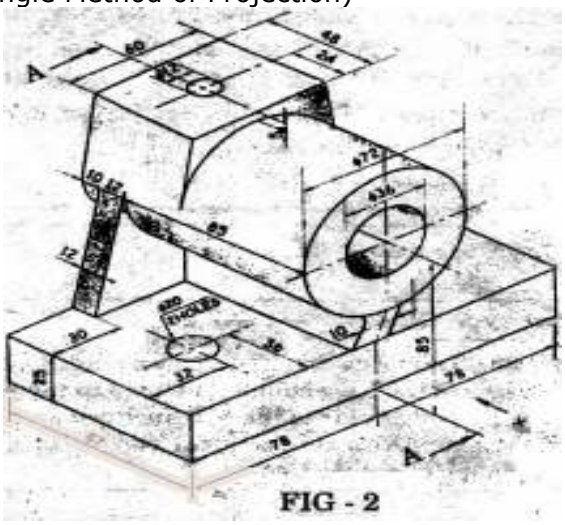
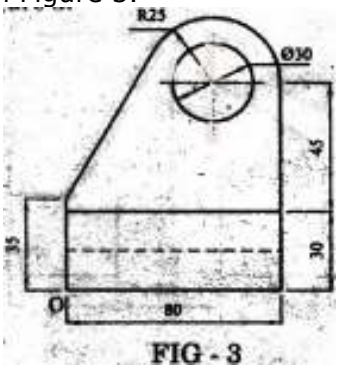
Engineering Drawing - II

Time : 180 minutes **Marks : 100**

Instructions for the students :

1. All questions are compulsory.
2. "Long Answer type Question (LAQ)" is a supply type question of 20 marks, which require typical answer of about 60-80 lines in about 32-40 minutes.
3. "Short Answer type Question (SAQ)" is a supply type question of 5 marks, which require typical answer of about 15-20 lines in about 08-10 minutes.
4. Use of non-programmable type of scientific calculator is allowed.
5. Draw neat diagrams wherever necessary.
6. Assume suitable data if necessary.

Q. No.	Question (Q)	Question Marks
	Long Answer type Questions (LAQ's)	
1.	A square pyramid base 60 mm side and axis 70 mm long, has its base on H.P. and all the edges of the base equally inclined to the V.P. It is cut by a section plane perpendicular to the V.P. inclined at 45^0 to the H.P. and bisecting the axis. Draw its Sectional Top View, Sectional Side View and True Shape of the Section.	**20**
2.	Figure 1 shows two views of an object. Draw its isometric view with 'O' as origin.  FIG - 1	**20**

3.	Figure 2 shows a pictorial view of a block. Draw : a) Front view in the direction 'X' b) Top View c) Sectional Left Hand Side View along section A.A. (Use First Angle Method of Projection)  FIG - 2	**20**
4	Write an AUTOCAD Commands in proper sequence to construct the view as shown in Figure 3.  FIG - 3	**20**
	Short Answer type Questions (SAQ's)	
5.	Explain the principal methods of development.	**5**
6.	Draw an isometric view of circle of diameter 40 mm whose surface is parallel to the V.P.	**5**
7.	Differentiate between oblique projection and isometric projection.	**5**
8.	Explain parallel scale nomograph method.	**5**