FACULTY OF ENGINEERING

B.E. 2/4 (M/P/AE) I - Semester (Supplementary) Examination, July 2014

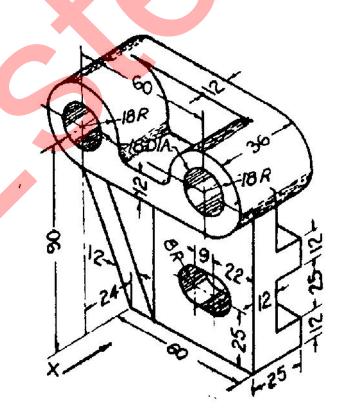
Subject: Machine Drawing

Time: 3 hours Max. Marks: 75

Note: Answer all questions from Part-A and Part-B. Assume any missing data suitably and mention clearly.

PART - A

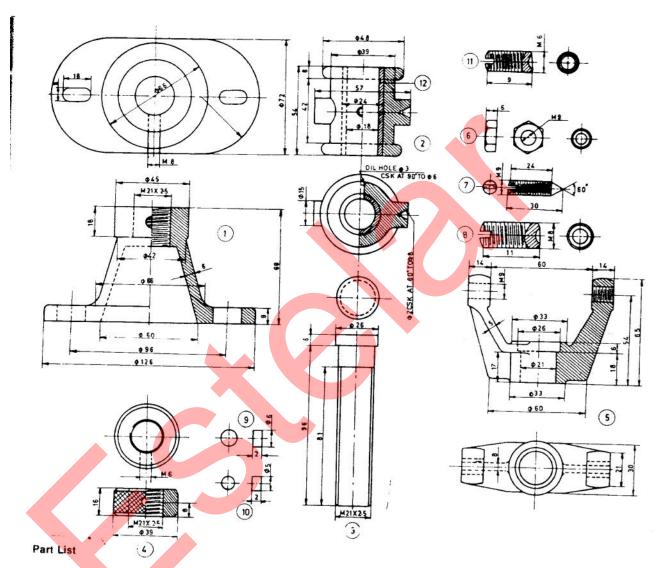
1	With help of neat sketch, define functional dimension, non-functional dimension,	
	redundant dimension and datum dimension.	5
2	Draw the front view and top view as shown in figure.1	5
3	Draw two views of the double riveted butt joint by taking t = 10mm, d = 20mm	5
4	Sketch two views of a knuckle joint for connecting two 40mm diameter rods.	5
5	Sketch a pin type flexible coupling.	5
	PART – B	
6	Assemble all parts of the swivel bearing as shown in figure 2 and draw	
	i) Half sectional front view with right half section	20
	ii) Half sectional left side view with right half section	20



iii) Top view

Figure 1

10



'arı No	Name	Material	Quantity
1	Casting	C.I.	
2	Bearing	C.I.	
3	Spindle	M.S.	
4	Lock-nut	M.S.	1,
5	Fork	Cast steel	1
6	Nut	M.S.	1
7	Set screw	M.S.	2
8	Set screw	M.S.	-
9	Disc	Brass	Į.
10	Disc	Brass	ı.
11	Set screw	M.S.	ı
12	Bush	Brass	1
