BTS(C) - III - (S) - 05 - 046 (G)

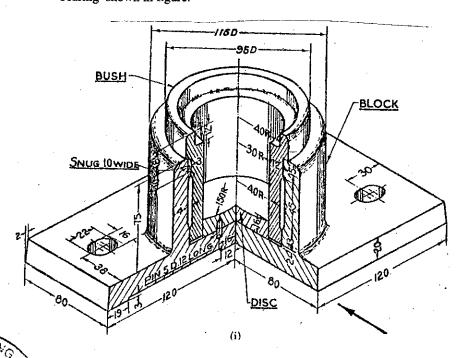
Time: 3 Hours

B. Tech. Degree III Semester (Special Supplementary) Examination, August 2005

ME 303 MACHINE DRAWING

(2002 Admissions onwards)

•			
I.	(a)	Give dimensional sketches of the following forms of screw threads	
	• •	(i) Whitworth (ii) Unified	(10)
	(b)	Draw three views of a square headed ball 20 mm diameter, 120 mm long, with a hexagonal nut, lock nut, washer and a split pin, using rough rule dimensions for	
		the nuts. The length of the threaded part of the bolt is 40 mm.	(20)
		ÔR	
II .		Sketch neatly a knuckle joint for connecting two 40 mm diameter rods. Give all important dimensions.	(30)
TTT	(0)	Draw 6.11 size two views of an animalistic for 25 man disputation aims	(20)
III	(a)	Draw full size, two views of an union joint for 25 mm diameter pipe	(20)
	(b)	Sketch a protected type flanged coupling for 80 mm diameter mild – steel shafts	(10)
** *		OR	-
IV		Draw half – sectional front views, the top view and a side view of the foot-step bearing shown in figure.	(30)



(Turn

Maximum Marks: 100

V

Details of a stuffing box are given in the figure below. Draw the following views of the stuffing box with all parts assembled together and showing the piston rod in position:

(i) Sectional front view

(ii) top view

Particulars of parts

No 	Name	Material	no. requ.	
1	Gland	Cast Iron	1	
2	Gl. Bush	Brass	I	
3	Stuffing box	Cast Iron	1	
4	Neck Bush	Brass	1	4
5	Stud and Nuts	Mild Steel	2	(40)

