B.Tech. MECHANICAL ENGINEERING (BTMEVI)

Term-End Examination

June, 2012

BIME-003: MACHINE DRAWING

Time	: 3 H	ours Maximum Marks	Maximum Marks: 70		
Note : All questions carry equal marks. Attempt any five questions.					
1.	(a) (b)	Draw two views of a Woodruff Key . Draw two views of a cotter joint to join two shafts of diameter 25 mm.	4 10		
2.		v two views of a solid flanged coupling with diameter as 50 mm.	14		
3.	(a)	Draw (i) Cup headed rivet (ii) Pan headed rivet Take Shank Diameter D=20 mm. Draw a double riveted, single strap, Zig - Zag butt joint to join two plates of 10 mm dia. thickness.	10		

4.	Dra	Draw the following threads for pitch $P = 15$ mm. 14			
	(a)	Whitworth Thread			
	(b)	British Standard Thread			
	(c)	Square Thread			
	(d)	Acme Thread			
5.	Write short notes on:		14		
	(a)	Graphic Output Devices			
	(b)	Auto Cad			
	(c)	Drafting Aids			
	(d)	Method of Constructing a Polygon.			
6.	Dra	w the three views of the assembly of	14		
	Hexagonal bolt with Hexagonal nut and washer.				
	Take	e the shank dia as 20 mm for bolt.			
7.	Draw any three of the following:				
	(a)	Lifting Eye Bolt			
	(b)	Stud - Bolt			
	(c)	Slotted Nut			
	(d)	Castle Nut			