B.Tech. MECHANICAL ENGINEERING (BTMEVI)

Term-End Examination December, 2013

BIMEE-018: INDUSTRIAL ERGONOMICS

Time: 3 hours			Maximum Marks: 70	
Note		nswer any five questions. All	l questions carry equal	
1.	app	lain some laws or principles licable to tools or equipr rators.		
2.		Discuss the ergonomic guidelines to be followed for an effective workplace layout.		
3.	Discuss the ill effects of static loading. Also classify the overstrain problems.			
4.	(a)	Discuss the ergonomic des Display Terminal (VDT) was a suitable example.	orkstation with	
	(b)	What is 'OSHA' ? Expla framing safety related guid		
5.	(a)	Explain the concept of the system in ergonomics.	e man-machine 7	
	(b)	Write the use of man-mac robotics systems.	thine system in 7	

- **6.** Write short notes on the following :
- 3.5x4=14

- (a) Aparture of pupil
- (b) Eye movement
- (c) Physiology of reading
- (d) Display and control
- 7. List and explain the recommendation for indoor comfort against heating in industries.