No. of Printed Pages : 2

BIME-020

B.Tech. MECHANICAL ENGINEERING (BTMEVI)

Term-End Examination

December, 2013

BIME-020 : INDUSTRIAL ENGINEERING

Tim	e : 3 ha	ours Maximum Marks : 70	
Note : Attempt any five questions. All questions carry equa marks.			
1.	(a)	How do you define Industrial Engineering? 7+ What are its objectives ?	
	(b)	Explain the principle of motion economy as applied to the use of human body.	
2.	(a)	Explain the step by step procedure in 7+ implementing work measurement.	
	(b)	Write notes on "Performance rating".	
3.	(a)	Explain the importance of ergonomics by 7+ mentioning various areas of application.	
	(b)	Briefly explain ergonomic design of displays and controls.	

1

BIME-020

P.T.O.

- (a) List the types of control charts for attributes 7+7 and explain any one of them in detail.
 - (b) Briefly explain Double Sampling Plan.
- 5. (a) Discuss the procedure for product 7+7 development.
 - (b) What is value analysis ? What are the various value engineering techniques ?
- (a) Briefly explain ergonomic design of a 7+7 computer work station.
 - (b) Write the objectives and functions of Inspection.
- 7. (a) Write short notes on :
 3.5x4=14
 - (i) allowances
 - (ii) standard time
 - (iii) value engineering
 - (iv) chrono cycle graph

BIME-020