GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (OLD) - EXAMINATION - SUMMER 2017

Sul	bject	Name: Productivity Improvement Methods The state of the	
	ne: 02 ruction	2:30 PM to 05:00 PM Total Marks: 7	0
mst	1. 2.	Attempt all questions.	
Q.1	(a)	Explain the meaning of Productivity with suitable example. Explain the importance of productivity. State the relationship between productivity and standard of living.	07
	(b)	What are the symptoms of poor productivity? How it can be improved	07
Q.2	(a) (b)	Considering a case explain the process of Reengineering any business function. Enlist the factors influencing productivity. Explain how each factor will affect productivity.	07 07
		OR	
	(b)	Define micro motion study. What are its specific applications? How is it distinguished from memo motion study?	07
Q.3	(a) (b)	What are relaxation allowances? Why is it given? How is it measured? Discuss in details with definition and suitable illustration "Man Machine Chart".	07 07
		OR	
Q.3	(a)	State the meaning and use of 'Therblig'. Sketch any six Therblig with symbols with their meaning and application	07
	(b)	Explain briefly the concept of work sampling with suitable example.	07
Q.4	(a)	Explain in brief the principles of motion economy applied in 'use of human body'	07
	(b)	State various steps involved in Business Process Reengineering. Give the general advantages and limitations of Business Process Reengineering. OR	07
Q.4	(a)	State and explain in brief the various allowances are to be considered while estimating the standard time.	07
	(b)	What is SIMO chart? Explain any Ten Therblings with symbols and colour codes.	07
Q.5	(a) (b)	Differentiate between breakdown and preventive maintenance. Describe the different principles of ergonomics OR	07 07
Q.5	(a)	Define "Ergonomics" and discuss the ergonomics aspects of a four-wheeler dash board design	07
	(b)	What is meant by incentives? What do you understand by negative incentives plans?	07
