## **GUJARAT TECHNOLOGICAL UNIVERSITY**

GUJARAT TECHNOLOGICAL UNIVERSITY				
BE - SEMESTER-VIII • EXAMINATION - SUMMER • 2015 Subject Code:182504 Date:07/05/2015 Subject Name: Facilities Planning Time:10.30AM-01.00PM Total Marks: 70 Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.			5/2015	
			70	
Q.1	(a) (b)	Discuss Rural and urban location pattern in India. Explain need for facility location planning, General procedures and Factors influencing location decisions.	07 07	
Q.2	(a) (b)	Write a short note on Just-in-time manufacturing. Explain ALDEP algorithm with suitable illustration. <b>OR</b>	07 07	
	<b>(b)</b>	Explain CRAFT algorithm with suitable illustration.	07	
Q.3	(a) (b)	Fixed automation system versus Flexible manufacturing system. Write a short note on Indian Factories Act 1948. <b>OR</b>	07 07	
Q.3	(a) (b)	Write a short note on minimum Wage Act 1948. List and explain causes and sources of accidents.	07 07	
Q.4	(a) (b)	List and explain Facilities planning trends with graph. Explain the procedure of implementing and maintaining the Facilities Plan. <b>OR</b>	07 07	
Q.4	(a) (b)	Explain Concept of Engineering economics, Risk and uncertainty. Explain Scope, functions and principles of material handling	07 07	
Q.5	(a) (b)	Purpose, type and requirements of depreciation methods and obsolesce. Write a salient features and applications of general purpose material handling equipments.	07 07	
Q.5	(a) (b)	<b>OR</b> List the reasons for replacement and it's models . Write a brief note on Automation in part handling.	07 07	

\*\*\*\*\*