Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-VIII EXAMINATION - SUMMER 2016

Subject Code:182504 Subject Name:Facilities Planning Time:10:30 AM to 01:00 PM Instructions:		t Code:182504 Date:18/05/20	Date: 18/05/2016  Total Marks: 70	
		10:30 AM to 01:00 PM Total Marks:		
	1	1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.		
Q.1	(a) (b)	Explain the importance of plant location in business.  Define facility and facility planning. Explain the procedure for facility planning.	07 07	
Q.2	(a) (b)	Describe various material flow systems. What is activity relationship? How does it associate with space criteria?	07 07	
	<b>(b)</b>	OR Explain different types of production lay outs.	07	
Q.3	(a) (b)	Explain JIT principles. Write a short note on Flexible Manufacturing System.	07 07	
Q.3	(a) (b)	OR Explain fixed automation. List the drawbacks of it. Explain GT layout in detail.	07 07	
Q.4	(a) (b)	Write importance of industrial acts. Write a short note on productivity and safety.	07 07	
Q.4	(a) (b)	OR Explain ALDEP with suitable example. Differentiate between generative types of layout in detail.	07 07	
Q.5	(a) (b)	Describe various types of depreciation methods.  Explain importance of general purpose material handling equipments.	07 07	
Q.5	(a) (b)	OR Write a short note on automation of part storage and retrieval. How do rural and urban areas affect the plant location? Explain with an example.	07 07	

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