Seat No.:	Enrolment No.
5cat 110	Lindinent No

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER – VI (NEW).EXAMINATION – WINTER 2016

Date: 25/10/2016

Subject Code: 2162509

	•	ect Name: Plant Maintenance and Safety Engg. : 10:30 AM to 01:00 PM Total Marks: 70 ections:	
		 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a)	Define plant layout. State the objectives of good plant layout. Explain the	07
	(b)	principles of plant layout. Explain the advantages and disadvantages of Urban, Semi-Urban and Rural locations.	07
Q.2	(a)	Explain the CRAFT Algorithm with suitable illustration.	07
	(b)	Explain Risk and Uncertainty with Discounted Cash Flow Techniques in brief.	07
		OR	0=
	(b)	Explain classification of material handling system.	07
Q.3	(a)	Explain scope, function and application of Material Handling in Stores and Warehouses.	07
	(b)	Write short note on The Industrial Dispute Act 1947.	07
		OR	
Q.3	(a)	Write short note on The Indian Factories Act 1948.	07
	(b)	Write short note on Accident Control.	07
Q.4	(a)	Explain Implementing and Maintaining the facilities plan.	07
	(b)	State the principles of materials handling.	07
Q.4	(a)	OR Explain the Purpose, types and requirements of Depreciation method.	07
	(b)	Describe Fixed Automation System.	07
Q.5	(a)	Explain the relationship chart with the aid of diagram.	07
	(b)	Explain the basic Facility Layout types with neat sketch.	07
		OR	
Q.5	(a)	Write a short note on JIT Manufacturing.	07
	(b)	Explain the ALDEP Algorithm and Flow chart.	07
