Seat No.: Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VIII • EXAMINATION - SUMMER 2014

Subje	ect (Code: 182504 Date: 29-05-2014	
-	: 10	Name: Facilities Planning :30 am TO 01:00 pm Total Marks: 70	
Institut	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Justify the location of Rajkot city in Gujarat for the Growth of an Automobile Industry. Explain the Implementation of Facility Plan in Ship Building Industry.	07 07
Q.2	(a) (b)	Explain the CRAFT Algorithm with suitable illustration. Explain the ALDEP Algorithm and Flow chart. OR	07 07
	(b)	Explain Risk and Uncertainty with Discounted Cash Flow Techniques in brief.	07
Q.3	(a)	Explain scope, function and application of Material Handling in Stores and Warehouses.	07
	(b)	Explain the basic Facility Layout types with neat sketch. OR	07
Q.3	(a)	List down the Salient features and applications of General Purpose Material Handling Equipments.	07
	(b)	Differentiate the Rural and Urban Site Selection for Engineering Institute in Baroda.	07
Q.4	(a)	Write a short note on FMS	07
	(b)	Explain Fixed Automation System with a case study. OR	07
Q.4 Q.4	(a) (b)	Write a short note on JIT Manufacturing. Explain the Facility Planning trends in detail.	07 07
Q.5	(a) (b)	Explain the various Causes and Sources of an Accident with suitable example. Explain the term Obsolesce and Depreciation .Explain any one Replacement model with suitable illustration.	07 07
Q.5	(a)	OR Explain an Indian factories Act 1948 in detail.	07
٧.5	(b)	Explain the Purpose, types and requirements of Depreciation method.	07
