Sea	Seat No.: Enrolment No GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VIII • EXAMINATION – WINTER • 2014			
Subject Code: 182504			Date: 27-11-2014	
	•	Name: Facilities Planning		
Time: 02:30 pm - 05:00 pm		•	Total Marks: 70	
Ins	struction			
	2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Why facility location planning is needed? Explain general procedure for facility location decisions.	07	
	(b)	Explain how you will apply Simple Median Model for determining the best location of facilities.	07	
Q.2	(a) (b)	Justify selection of Rajkot as the hub of foundry industries. Write short note on The Indian Factories Act 1948.	07 07	
	(10)	OR	07	
	(b)	Write short note on Accident Control.	07	
Q.3	(a)	Write short note on Safety programme.	07	
	(b)	Write short note on The Industrial Dispute Act 1947. OR	07	
Q.3	(a)	Describe principles of material handling.	07	
	(b)	Explain classification of material handling system.	07	
Q.4	(a)	Describe Flexible Manufacturing System.	07	
	(b)	Explain how you will Evaluate the facilities plans. OR	07	

Explain Implementing and Maintaining the facilities plan.

Differentiate between Product Layout and Process Layout.

Explain how you will solve the facility planning problem by 'Computriized

OR

A machine with purchase value of Rs.200000 and the salvage value of Rs.20000

at the end of 15 years. It was sold for Rs.145000 at the end of 5 years. What is

A machine is purchased for Rs.20000. The salvage value is Rs.5000 at the end

of 10 years. If the depreciation is charged by Diminishing Balance Method,

the loss or profit if Straight Line Depreciation Method was adopted?

calculate the Book value of the machine after 3 years.

Describe Fixed Automation System.

Relative Allocation of Facilities Techniques".

Q.4

Q.5

Q.5

(a)

(b)

(a)

(b)

(a)

(b)

07

07

07

07

07

07