Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VIII (NEW) - EXAMINATION - SUMMER 2017 Subject Code: 2182504 Date: 09/05/2017 **Subject Name: Facilities Planning** Time: 10:30 AM to 01:00 PM **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 0.1 What do you understand by facility planning? What are the objectives of it? 07 (a) Explain the factors influencing the location decision. **(b)** 07 (a) Describe the general procedure for layout design using flow chart. 0.2 07 Write down the steps for lay out design using CRAFT. **(b)** 07 **(b)** Write down the steps for lay out design using ALDEP. 07 0.3 Explain the features of general purpose material handling equipment. 07 List the principles of material handling. **(b)** 07 0.3 (a) Explain unit load principle of material handling in detail. 07 **(b)** Explain present worth method. 07 07 (a) What is the need of replacement? Describe group replacement strategy. 0.4 What is industrial act? List some important requirement of following it. **(b) 07** Write a short note on minimum Wage Act 1948. 0.4 (a) 07 Write a short note on JIT. **(b)** 07 (a) List important safety devices used in ship building industries. 07 Q.5 **(b)** Explain ASRS in detail. **07** OR Differentiate between depreciation and obsolescence. Which aspects are 0.5 (a) 07 considered in future worth method?

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**(b)** Write a short note on FMS.

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