Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015

Subject Code: 183405 Date: 05/05/2015 **Subject Name: Materials and Logistic Management** Time: 10.30AM-01.00PM **Total Marks: 70 Instructions:** 1. Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. **Q.1** Explain in detail about Material Requirement Planning 07 What is value analysis? Explain how its useful in problem solving along with 07 its advantages and applications What are the documents required for purchasing? Explain purchasing with 5'R 07 **Q.2** (a) (b) Explain the factors affecting national and international trade 07 **(b)** Explain briefly about import procedures that are to be followed 07 0.3 Explain receipt issue, recording system and stock taking system 07 (a) Give the functions of stores and explain about the different types of stores 07 **(b)** What is waste management system? Explain the various techniques in waste **Q.3 07** (a) management system **(b)** Explain about mechanical and thermal disposal system with necessary sketches 07 07 0.4 Briefly explain the warehouse operations and their facility developments (a) Explain the logistical performances cycle and functional areas of logistics 07 **(b)** OR Give the economic and service benefits of warehousing with suitable **Q.4** 07 (a) illustration **(b)** Explain about the pricing factors affecting the transportation cost 07 0.5 07 Discuss the role of supply chain manufacturing in manufacturing industries Explain about the planning, demand and supply in supply chain management **07**

(b) Explain the co ordination required in supply chain management

Q.5

(a)

remedies for solving it

Briefly explain the risks involved in supply chain management with suitable

07

07