Seat No.: ________ Enrolment No.___________

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER–VIII • EXAMINATION – SUMMER • 2014

Subject Code: 183405 **Date: 27-05-2014**

Subject Name: Materials and Logistic Management

Time: 10.30 am - 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.**

Q.1	**(a)**	What do you mean by material management? What are its functions? Why do we need material management?	**07**
	(b)	What is supply chain? What do you mean by supply chain management? Explain with an example and make a flow chart of SCM of that organization?	**07**
Q.2	**(a)**	Define value engineering and value analysis? What is the difference between the two? Explain the importance and advantages of value analysis?	**07**
	(b)	What is purchase management? Why do we need purchase management? How can it be beneficial for an organization?	**07**
		OR	
	(b)	What is import substitution? What are the factors affecting national & international markets?	**07**
Q.3	**(a)**	Define a store? What is store management? Write about its functions?	**07**
	(b)	What is the importance of recording system in store management? Write about the issue-receipt system?	**07**
		OR	
Q.3	**(a)**	What is waste management? What is its importance? What kind of waste is encountered in the industry?	**07**
	(b)	What are the ways to discard the waste from the industry? On what basis the decision is taken? What things should be kept in mind while discarding industrial waste?	**07**
Q.4	**(a)**	What is logistic? What do you mean by logistic management? Write about its operational responsibility?	**07**
	(b)	What is logistic performance cycle? What are the functional areas of logistics?	**07**
		OR	
Q.4	**(a)**	What is a warehouse? What is warehouse management? Write about its importance?	**07**
	(b)	Where should the warehouse be located? What are the economic and service benefits of a warehouse? What are the factors affecting transportation cost?	**07**
Q.5	**(a)**	Write about the drivers of supply chain management (SCM)? What are the major components of SCM?	**07**
	(b)	What are the risks in supply chain management? How to manage risk in SCM?	**07**
		OR	
Q.5	**(a)**	What is fixed order quantity and what is fixed order interval system? How do you go about the inventory control of finished goods?	**07**
	(b)	What is a safety stock? Write about the single order inventory policies?	**07**

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