| Seat No.: | Enrolment No. |
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GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VIII • EXAMINATION - SUMMER • 2014

| Sul | oject | Code: 183405 Date: 27-05-2014 | |
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| | • | Name: Materials and Logistic Management | |
| | | 0.30 am - 01.00 pm Total Marks: 70 | |
| Inst | ruction 1 | ns: Attempt all questions. | |
| | 2. | Make suitable assumptions wherever necessary. 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 |
| | (b) | What is import substitution? What are the factors affecting national & international markets? | 07 |
| Q.3 | (a) (b) | Define a store? What is store management? Write about its functions? What is the importance of recording system in store management? Write about the issue-receipt system? | 07 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? OR | 07 |
| 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? OR | 07 |
| 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 |