

Roll No. ....

**22235**

**M. Tech. 2nd Semester (Mechanical Engg.)  
(Machine Design) (Elective-II)  
Examination – December, 2014**

**MATERIALS MANAGERMENTS**

**Paper : M-848**

*Time : Three Hours ]*

*[ Maximum Marks : 100*

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*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

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**Note :** Attempt any *five* questions.

1. If the responsibility for maintaining the quality of the product and incurring less cost on its production is the responsibility of the production/operation" and deciding the price of the product and finding the customers that will buy it comes under "marketing", what does the 'materials management function" do ? 20

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2. (a) What is break even analysis ? Discuss its assumptions. 6
- (b) A product is manufactured at the break even point. A committee recommended the substitute of product by a new design inspite of the fact that fixed cost increase by 50%. If the sales increases by 20%, determine the profit or loss as a percentage of fixed cost. 14
3. Differentiate between independent and dependent demand inventory. Dependent demand inventory items do not need to be forecast. Why not? Explain with the help of examples ? 20
4. What are the measures you recommend to maintain inventory security in stores ? Discuss in brief the problems and their remedies in case of valuation of finished goods and work-in-process inventory. 20
5. What do you mean by cost control and reduction? Explain different techniques of material cost control. 20
6. Explain the following : 20
- (a) Integrated Materials Management
- (b) Problems and risks in vendor networking

7. Differentiate between independent and dependent demand inventory. Dependent demand inventory items do not need to be forecast. Why not ? Explain with the help of examples ? 20
8. Write short notes on : 20
- (a) Vendor rating
  - (b) Management of perishable commodities.
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