

22235

**M.Tech. 2nd Semester Mechanical Engg. Elective-II  
(Machine Design) Examination, May-2017**

**MATERIALS MANAGEMENT**

**Paper-M-848**

*Time allowed : 3 hours]*

*[Maximum marks : 100*

*Note : Attempt any five questions. All questions carry equal marks.*

1. (a) Explain the organization structures in material management in detail. 10  
(b) What are different functions of material management? 10
2. (a) Discuss the manufacturing resource planning in detail. 10  
(b) What is the role of break even point theory in material planning? 10
3. (a) Discuss the make or buy decision concept in detail. 10  
(b) What is the role of inspection in material control? 10
4. Explain the following :  
(i) Vendor and supply reliability  
(ii) Developing new source of supply. 20

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**[P.T.O.]**

5. (a) What are different techniques of cost control ? 10  
(b) Discuss the cost reduction and value improvement concept in detail. 10
6. What is the role of inventory management ? What are different types of inventory ? Also discuss the various inventory models. 20
7. (a) Discuss the exchange curve concept in detail. 10  
(b) What is the role of information system for inventory management ? 10
8. Write short note on the following :  
(i) Role of purchasing in new product development  
(ii) ABC-VEO analysis. 20