

22235

**M. Tech. 2nd Semester (Mechanical Engg)
(Machine Design) Examination, May-2015**

MATERIALS MANAGEMENT

Paper-M-848

Time allowed : 3 hours]

[Maximum marks : 100

Note : Attempt any five questions.

1. What is the scope of materials management ? Define the various roles of materials management in the context of internal and external interfaces to a materials management system. 20
2. Briefly explain the reason for the evaluation of manufacturing resources planning (MRP II) from material requirements planning (MRP). How does MRP II differ from MRP ? Explain the difference with the help of a flow diagram. Also explain how just-in-time production system (JIT) differs from MRP II. 20
3. Why is negotiation an important aspect of purchasing ? Describe the elements and objectives of negotiation. Also discuss the negotiation process and techniques. 20
4. What do you mean by cost effectiveness and cost reduction ? Explain different techniques of material cost reduction. 20

5. Discuss the various losses in warehouses. What are the reasons of their generation ? Discuss the procedure of preventing and controlling losses in a warehouse. 20
6. (a) What is surplus management ? Explain. 10
(b) Describe various functions of inventory control along with design of inventory distribution system. 10
7. Explain the following :
(a) MRP 10
(b) JIT production planning 10
8. Write short note on : 20
(a) ABC Analysis of inventory management
(b) Need for international purchase. .