

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (ME) (2012 Onwards) (Sem.-7)

**MATERIAL MANAGEMENT**

Subject Code : DE/ME-2.7

M.Code : 71812

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

**Write briefly :**

1. State any three objectives of material management.
2. Write any three difficulties in implementing JIT system.
3. What is economic order quantity?
4. Describe in brief applications of VED analysis.
5. A probabilistic inventory model - Explain.
6. What are the characteristics of an organized store?
7. What is demand management?
8. Define: Store Management.
9. Why is there a definite inventory in every organization?
10. What is meant by material budgeting?

**SECTION-B**

11. Explain the concept of “ABC” analysis with graphical representation.
12. Write an essay on vendor relation and related strategies on vendor rating.
13. Write short notes on the following :
  - a) EOQ model
  - b) BOM (Bills of materials).
14. Discuss the factors guiding the selection of right source of purchase.
15. Annual requirement of diesel oil for a power station is 120,000 liters. Purchases are made in bulks of 10,000 liters. The ordering cost is Rs. 37.50 per order and inventory carrying cost is Rs. 0.01 per liter. Find :
  - a) EPQ
  - b) Total cost

**SECTION-C**

16. *“Material Handling, Transportation, Warehousing and Inventories are four pillars on which the building of logistics is constructed.”* Comment on this statement.
17. Describe the methods of purchasing and application with the help of suitable examples.
18. Discuss the role of material handling equipment in reducing the cost of storage and store room operations.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**