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Total No. of Pages : 02

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B.Tech.(ME) (E-I 2011 Onwards) (Sem.-6)**MATERIAL MANAGEMENT****Subject Code : DE/ME-2.7****M.Code : 71259****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**1. Write briefly :**

- a) Define Material Management
- b) Explain ABC Analysis.
- c) Explain codification and standardization
- d) What is safety stock? Discuss the factors governing the safety stock.
- e) Economic order quantity
- f) Material handling
- g) Material requirement planning
- h) What is Just in Time production?
- i) Vendor development
- j) Kardex System

SECTION-B

2. Explain functions of material management.
3. Describe the procedure for spare parts control for maintenance purposes.
4. Discuss various legal aspects of purchasing.
5. How surplus, scrap and obsolete items are managed?
6. Discuss the concept of material requirement planning.

SECTION-C

7. Explain the importance of effective utilization of materials in manufacturing industry and service industry.
8. Explain the principles of effective material handling.
9. Write short notes on :
 - a) Probabilistic inventory model
 - b) Quantity discount model

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.