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Total No. of Pages : 02

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B.Tech.(ME) (2012 Onwards E-II) (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

1. Write briefly :

- a) Objectives of material management.
- b) Relationship of business economics and materials management.
- c) ABC Analysis.
- d) Define "EOQ" and "safety stock".
- e) Graphical representation showing relationship of inventory costs.
- f) Difference between purchasing and procurement.
- g) Decentralized stores.
- h) Types of stores.
- i) Functions of purchasing
- j) Material classification.



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SECTION-B

- 2. Discuss in detail the concept of integrated material management.
- 3. *"Standardization promotes the interest of the consumer and serves the purpose of the producer"*. Elucidate the statement.
- 4. Comment on "the necessity of Economic order Quantity and illustrate".
- 5. Discuss the importance of material handling in store keeping.
- 6. Investigate in brief the documentation and procedure for import.

SECTION-C

- 7. Describe relative merits and demerits of alphabetical, numerical and decimal systems of codification.
- 8. The annual demand for a machine component is 24000 units. The carrying cost is 0.40 unit/year, the ordering cost is Rs. 20 per order and the shortage cost is Rs. 10 /unit/year. Find the value of Economic order quantity, maximum inventory, cycle time, inventory period and shortage period.

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- 9. Write short notes on :
 - a) Just-in-Time
 - b) Materials Requirement planning

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.