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Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech. (ME) (2012 Onwards E-II)/(Automation & Robotics)/
(Automobile Engineering) (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 the importance of materials management.
- 2) Enlist the advantages of codification?
- 3) Discuss the significance of materials planning.
- 4) What do you understand by the term 'classification of materials'?
- 5) Discuss the importance of inventory for a manufacturing organization.
- 6) What is FSN analysis?
- 7) Define the terms 'Reorder Level' and 'Buffer Stock'.
- 8) What do you mean by 'make-or-buy analysis'?
- 9) Enlist the significant factors affecting purchase decision.
- 10) a) Enlist the principles of material handling.
b) How stores efficiency is measured?



SECTION-B

- 11) Discuss in detail the relationship of material management with other organizational functions.
- 12) What is significance of materials budgeting? Discuss in detail the various techniques of material budgeting citing some suitable examples.
- 13) What are carrying cost, ordering cost, under stocking cost and overstocking cost. Also enlist various functions of inventory control.
- 14) Discuss in detail the different Legal aspects involved in purchasing. Also describe the concept/principles of purchasing under fluctuating prices.
- 15) Discuss in detail identification, control and disposal of surplus, scrap and obsolete items in manufacturing organizations.

SECTION-C

- 16) Write a short note on following :
 - a) Discuss the mechanics of ABC analysis. Also enlist its objectives.
 - b) Just-in-Time.
 - c) Material requirement planning (MRP-I).
- 17)
 - a) Describe briefly any two vendor rating plans or methods.
 - b) Discuss the advantages of integrated materials management concept.
- 18)
 - a) State the objectives of stores management. Also elaborate the different types of stores in manufacturing organizations.
 - b) Discuss the factors affecting the selection of materials handling systems. Explain the steps involved in selection of materials handling system.

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.