

B.E III EXAMINATION APRIL-MAY- 2022**Mechanical Engineering**

MER6G1

MATERIALS MANAGEMENT

Duration: 3Hr.

Max. Marks: 60

Attempt any two part of each Question. Each question carries equal marks. Make suitable assumptions wherever necessary.

- Q.1 (a) What do you understand by materials management explain interdepartmental relationship of the materials department with other functional department.. 12
- (b) What do you understand by materials planning? Explain integrated approach for materials management and inputs which influence materials planning?
- (c) What do you understand by Codification; explain principles of codification.
- Q.2 (a) What are the different buying methods explain Scheduled Buying and Contract Buying, their advantages and suitability 12
- (b) What is procurement cycle? Explain Market Research and Purchase order as major elements of Procurement cycle.
- (c) What do you understand by scientific purchasing. Explain Right Quantity and Right Quality in Scientific Purchasing.
- Q.3 (a) What do you understand by scientific store management? Explain different types of stores. 12
- (b) What do you understand by store Receiving system?
- (c) What do you understand by store location? Explain different principles of good store location?
- Q.4 (a) What do you understand by drivers in supply chain to achieve strategic fit, explain (i) Facility and (ii) Inventory as drivers. 12
- (b) What is the significance of understanding supply chain strategies in the supply chain in achieving strategic fit.
- (c) What do you understand by customer service dimensions in logistics and supply chain management, explain barriers in supply chain management.
- Q.5 (a) What is selective control of inventories, explain briefly 12
- (i) V-E-D analysis, (ii) A-B-C analysis. And their priorities of control
- (b) What do you understand by Standardization explain different levels of standardisation?
- (c) Derive relation for the Inventory Model for Economic Lot Production with continuous replenishment, and state assumptions made.

$$Q = \sqrt{\frac{SP + CP}{p - d} \times C_u}$$

BE -III YEAR , CLASS TEST 3
MATERIALS MANAGEMENT SUB CODE-MER6G1

DATE-23/04/2022
Max.marks -20

ATTEMPT ANY 4 QUESTIONS

- | | | |
|----|---|---|
| Q1 | What is supply chain management? Explain how a company achieves strategy fit between supply chain strategy and it's competitive strategy? | 5 |
| Q2 | What are different drivers of SCM. Explain any two of them? | 5 |
| Q3 | Define codification? Explain importance of codification in materials mgt.? | 5 |
| Q4 | Explain characteristics and limitations of coding system.? | 5 |
| Q5 | List various coding systems? Explain any two? | 5 |

IET, DEVI AHILYA VISHWAVIDYALAYA, INDORE

MECH ENGG DEPARTMENT

BE -III YEAR, TEST NO-1 (Date 05/02/2019)

SUB: MATERIALS MANAGEMENT, CODE-MERGG1

NOTE: ATTEMPT ANY FOUR QUESTIONS. GIVE SUITABLE EXAMPLES WHEREEVER REQUIRED.

- ✓ Q.1: Define materials management? Discuss various objectives of it? 05
- ✓ Q.2: Discuss various costs involved in materials mgt? 05
- ✓ Q.3: Discuss in brief concept of integrated materials mgt? 05
- ✓ Q.4: Explain functions of materials department? 05
- Q.5: What is coding? Why coding is important to plan materials? 05

Institute of Engineering and Technology

BE: III Yr Mechanical Engineering

Test:II, Materials Management

- ✓ Q.1 What do you understand by Selective control, explain any two methods of selective control. (5)
- ✓ Q.2 What do understand by customer service dimensions explain 3 C's concept in logistics and supply chain management (5)
- ✓ Q.3 What is a supply chain management; describe the Cyclic views of a supply chain Management. (5)
- Q.4 What do you understand by changing Supply Chain environment, explain different barriers in supply chain management. (5)

IET, DEVI AHILYA VISHWAVIDYALAYA, INDORE

MECH ENGG DEPARTMENT

BE -III YEAR, TEST NO-3

(Date 05/04/2019)

SUB: MATERIALS MANAGEMENT, CODE-MER6G1

NOTE: ATTEMPT ANY FOUR QUESTIONS. GIVE SUITABLE EXAMPLES WHEREEVER REQUIRED.

- ✓ Q 1: What is scientific purchasing? Explain various function of Purchase department? 05
- Q2: Explain various principle of Purchasing? 05
- ✓ Q 3: Name different buying methods? Explain any two methods in details with their advantages and disadvantages. 05
- ✓ Q 4 What is scientific store mgt. Discuss in details various function of stores department 05
- Q 5: Discuss in details various types of stores? 05