

M.TECH DEGREE EXAMINATION
Model Question Paper
First Semester
Specialization: Industrial Engineering and Management
MMEIM 106.3 INTEGRATED MATERIALS MANAGEMENT (Elective-II)
(Regular 2013 Admission)

Time: Three Hours

Maximum: 100 Marks

Answer all questions.
Each full question carries 25 marks.

1. a) Write some evolutionary details of materials management?
- b) Enumerate why materials management became so important in today's industrial scenario?
- c) "Its relationship with respect to other departments is very important in defining the overall efficiency of materials management". Explain?
- d) Explain system approach to materials management with the help of a material process flow diagram and enumerate its advantages?

(3+5+7+10=25 marks)

Or

2. a) List some basic objectives of management in an organisation?
- b) List some primary and secondary objectives of materials management?
- c) Discuss some primary functions of materials management. Also define integrated materials management and write its advantages?
- d) Internal structuring of materials management department is based on three important aspects. What are they? Discuss in detail.

(3+5+7+10=25 marks)

3. a) List the main aims of standardization?
- b) What do you mean by rationalization? How is it implemented?
- c) Discuss about multiplicity of standards and the role of ISI and BIS in Indian industries?
- d) Discuss in detail the importance of variety reduction with respect to standardization, simplification and codification?

(3+5+7+10=25 marks)

Or

4. a) Write a short note on the classification of standardization?
- b) Explain the main benefits of standardization with respect to different departments
- c) Discuss the advantages of simplification to manufacturers, customers and businessmen? State some differences between standardization and simplification?
- d) What do you mean by codification? List some coding systems. Explain Kodak and decimal systems in detail?

(3+5+7+10=25 marks)

5. a) Discuss some new developments in storing?
- b) How will you do the preservation and protection of materials in stores?
- c) Give the various analyses of selective inventory control techniques?
- d) How will you design material flow and what are the advantages of planned material flow. Enumerate the principal of Material Handling systems?

(3+5+7+10=25 marks)

Or

6. a) What are the advantages of centralized and decentralized stores?
- b) What is ABC analysis? How is it used?
- c) How will you do layout planning? Describe various types of layout of stores?
- d) What do you mean by unit load concept? Give the material handling methodology and explain how will you select material handling equipments?

(3+5+7+10=25 marks)

7. a) Explain the process of purchasing?
- b) List the reasons for the generation and accumulation of surplus, obsolete and scrape items?
- c) Explain how suppliers are evaluated and their performance measured?
- d) Enumerate the various activities present in storing and issue of material discuss in detail FIFO and LIFO method?

(3+5+7+10=25 marks)

Or

8. a) Differentiate between materials requisition slip, materials return slip and materials transfer note?
- b) What are the methods used for materials accounting?
- c) Define contract? Enumerate the essential elements of a valid contract?
- d) What do you mean by outsourcing? Explain subcontracting and describe the criteria for selecting sub contractors rating?

(3+5+7+10=25 marks)