

APJ Abdul Kalam Technological University  
Ernakulam II Cluster  
First Semester M.Tech Degree Examination December 2017

**05ME6401 - INTEGRATED MATERIALS MANAGEMENT**

Time: 3 hrs

Max. Marks: 60

1. a) Discuss the role of materials management in materials forecasting and forecasting of price? (3 Marks)  
b) It the responsibility for maintaining the quality of the product and incurring less cost on its production is the responsibility of the production/operation" and deciding the price of the product and finding the customers that will buy it comes under "marketing", what does the 'materials management function" do? (4 Marks)  
c) What is the scope of materials management? Define the various roles of materials management in the context of internal and external interfaces to a materials management system? (5 Marks)
  
2. a) Discuss how materials be classified based on their usability? (3 Marks)  
b) Discuss the Mnemonic System of codification? (3 Marks)  
c) What are the objectives of codification, standardization and simplification? How does standardization lead to variety reduction? Discuss the advantages and disadvantages of Standardization? (6 Marks)
  
3. a) How do you position the materials in a store? Describe. (8 Marks)  
b) Explain the following: i) Safety stock  
ii) Material Handling system (10 Marks)

**OR**

4. a) Discuss the importance of material handling in store keeping. (8 Marks)  
b) Explain VED analysis. Write its advantages. (10 Marks)
  
5. a) What do we do with the obsolete items in the store? (8 Marks)  
b) Discuss the incoming material receiving procedures and systems? (10 Marks)

**OR**

6. a) Describe briefly the various forms used in the receipt of materials? (8 Marks)  
b) Explain subcontracting and recommend criteria for selecting sub contractors rating? (10 Marks)