

Roll No.

Total Pages : 2

LMMS/M-24

27348

PRODUCTION AND OPERATIONS MANAGEMENT

Paper–MBA–203

Time Allowed : 3 Hours]

[Maximum Marks : 70

Note : Attempt **six** questions in all, Question No. **1** is compulsory. Attempt remaining **five** questions, out of remaining **eight** questions carrying 10 marks each.

Compulsory Question

1. Attempt the following questions : 5×4=20
 - (a) Differentiate between Production and Operation management.
 - (b) Discuss the principles of a good plant layout.
 - (c) What are the objectives of inventory control?
 - (d) Discuss Master Production Schedule Diagram.
 - (e) Enumerate the essentials of a good product design.
2. 'Explain the concept of trade-offs in operations management, and provide examples of tradeoffs that organizations commonly face in their pursuit of competitive advantage. 10

3. Suppose you are working as a turnkey project consultant. One of your clients want guidance in selecting facility location for his new fast-food restaurant. Guide your client. 10
4. What is capacity planning? Explain the various strategies involved in capacity planning. 10
5. What are the different types of facility/plant layout? Explain the advantages and disadvantages of each plant layout. 10
6. What is meant by 'Economic Order Quantity' and what factors shall be considered in determining the size of an Economic Order? Illustrate with examples. 10
7. Write short notes on the following : 10
 - (a) Master production schedule.
 - (b) MRP.
8. Discuss the challenges organizations may face when transitioning between Lean and Agile supply chain models, and strategies to mitigate these challenges. 10
9. Discuss the role of Quality standards (such as ISO 9001) in promoting sustainability within organizations, and how adherence to these standards enhances operational performance? 10