

INDIRA UNIVERSITY, PUNE**SET-2****SCHOOL OF COMMERCE AND ECONOMIC-MCOM****Term End Examination (2025 Pattern) December – 2025 - Semester – I****Subject Name: Production and Operations Management**
Subject Code: 25MOC105T**Max. Marks: 50**
Time: 2:30 Hrs.**Instructions**

- Instructions 1 All the questions are compulsory attempt accordingly
- Instructions 2 Draw Necessary flow diagram if required

| CO # | Cognitive Ability | Course Outcome |
|------|-------------------|---|
| CO1 | Remember | Recall and Describe the fundamental concept, Nature and scope of production and operation management, Including Production systems, Service System and key function in managing operations. |
| CO2 | Understand | Explain the Principles, objectives and types of plant layout, and understand the importance of safety, Environmental Consideration and operational Efficiency in Production Setting. |
| CO3 | Apply | Apply the concept of production planning and control, plant layout design and production system modules to improve workflow, productivity and resource utilization. |
| CO4 | Analyse | Analyse various product and process strategies. Product life cycles and productivity determinants to identify areas for performance Improvement in production and operations. |
| CO5 | Evaluate | Evaluate the techniques and challenges in operations management, including inventory control, quality management, Maintenance and Capacity planning for effective decision making. |

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| Q1. | Select Correct Alternative (Attempt all the questions) : (5 Marks) 1. The main objective of Production and Operations Management is a) Increasing sales revenue b) Ensuring effective utilization of resources c) Enhancing product promotion d) Improving employee satisfaction 2. Which of the following is not a function of Production and Operations Management? a) Planning b) Organizing c) Advertising d) Controlling | CO1 |
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| | <p>3.Safety considerations in production mainly aim to a) Reduce worker fatigue and workplace accidents b) Increase working hours c) Lower product quality d) Increase production cost</p> <p>4.Material Management deals with a) Managing manpower b) Managing raw materials and inventory c) Managing finances d) Managing sales operations</p> <p>5.Vendor Management involves a) Selecting and maintaining supplier relationships b) Selling products to vendors c) Managing employee payroll d) Reducing taxes</p> | CO1 |
| Q2. | <p>Answer in one sentence (Attempt all the questions): (5 Marks) 1. List any two differences between Product and Service. 2. What is Process-Focused Production System? 3. What is Supply Chain Management? 4. What is meant by qualitative forecasting? 5. State one barrier to supply chain integration.</p> | CO1 |
| Q3. | <p>Long Answer (Attempt any one) (10 Marks) 1. Apply the concepts of production planning, control, and system models to design an efficient workflow for a manufacturing company aiming to improve productivity. 2. How do Product Strategies and Product Life Cycle Management help in planning production and marketing activities?</p> | CO3 |
| Q4. | <p>Long Answer (Attempt any one) (10 Marks) 1. Explain how automation and technology are transforming Operations Management practices. 2. Explain in detail the Vendor and Inventory Management process with examples.</p> | CO5 |
| Q5. | <p>Long Answer (Attempt any one) (10 Marks) 1. Discuss the role of demand forecasting in Supply Chain Management. 2. Discuss the importance of sustainable supply chain management in the current business environment.</p> | CO4 |
| Q6. | <p>Write Short Note (Attempt any two out of three) (10 Marks) 1. Write a note on Productivity Variables and Measurement Techniques. 2. Explain how operational efficiency can be improved through an effective plant layout. 3. Describe the Types of Production Systems.</p> | CO2 |
