

- Q.16 Discuss any one production planning technique in detail?
- Q.17 Explain the concept of “Zero Defect” and its significance in modern manufacturing.
- Q.18 Discuss the importance of production planning in operations management?
- Q.19 Benefits of Material Requirements Planning (MRP) process?
- Q.20 What are the key principles of Just-in-Time (JIT) production, and how do they benefit a manufacturing process?
- Q.21 What are the main areas of production that need Quality Control?
- Q.22 What is Quality control? Discuss its importance in manufacturing plants?
- Q.23 What are the main responsibilities of operations managers within manufacturing units?

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)
- Q.24 Explain the concept of operations management and its significance in achieving organizational goals.
- Q.25 Describe the stages involved in the production planning process, Highlight the challenges that organizations might encounter during each stage.
- Q.26 Discuss the principles of Total Quality Management (TQM) and its impact on product quality and customer satisfaction.

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SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which approaches to quality management uses statistical methods and aims to reduce defects and variations in processes?
- Six Sigma
 - Lean management
 - Total Quality Management (TQM)
 - ISO 9000 standards
- Q.2 What is the primary goal of operations management within an organization?
- Maximizing profits
 - Minimizing customer satisfaction
 - Minimizing costs while maximizing quality and efficiency
 - Marketing and sales

- Q.3 Which of the following is NOT a typical way for a company to achieve a competitive advantage?
- Lowering production costs
 - Offering unique and innovative products
 - Expanding into multiple unrelated markets
 - Focusing on a specific customer segment
- Q.4 Which of the following quality management principles emphasizes the importance of involving all employees in the continuous improvement of product quality and processes?
- Total Quality Management (TQM)
 - Six Sigma
 - Quality Control (QC)
 - Quality Assurance (QA)
- Q.5 This is an inventory management technique which leads to zero stock keeping?
- Lean Production
 - Continuous Production
 - ABC Analysis
 - Just-in-Time (JIT) Production
- Q.6 What is the primary purpose of quality control in a production process?
- Maximizing Advertising Expenditure
 - Transforming Inputs into Outputs
 - Minimizing Employee Turnover
 - Monitoring and Maintaining Product Quality

SECTION-B

- Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)
- Q.7 Total Quality Management (TQM) primarily focuses on maximizing profits.(True/False)
- Q.8 Lean production involves producing a specific quantity of items at once and then moving on to the next batch. (True/False)
- Q.9 Production Management focuses on transformation of inputs into outputs. (True/False)
- Q.10 Batch production is characterized by producing a continuous stream of items without interruption.(True/False)
- Q.11 Quality control aims to monitor and maintain product quality throughout the production process. (True/False)
- Q.12 Just-in-Time (JIT) production is a type of production system that emphasizes minimizing inventory levels and waste. (True/False)

SECTION-C

- Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)
- Q.13 What is the primary objective of capacity planning in operations management, and why is it essential for organizations?
- Q.14 What are the main functions of inventory management?
- Q.15 Define lean production system" discuss its merits and demerits.