

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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3rd Sem. / DBM

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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.