**QUESTION BANK**

**UNIT-I**

TWO MARKS

1. What do you mean by ‘Production’?

2. What do you mean by production system?

3. Mention the different types of production systems.

4. What is job shop production?

5. What is batch production?

6. What is mass production?

7. What is continuous production?

8. Mention any four advantages of job shop production.

9. Mention any four limitations of job shop production.

10. Mention any four advantages of batch production.

11. Mention any four limitations of batch production.

12. Mention any four advantages of mass production.

13. Mention any four limitations of mass production.

14. Mention any four advantages of continuous production.

15. Mention any four limitations of continuous production.

16. Define production management.

17. Mention any four objectives of production management.

18. What do you mean by strategic management?

19. What is mean by corporate strategy?

20. What are production strategies?

21. What do you mean by demand forecasting?

FIVE MARKS

1. What are the functions of production management?
2. Explain the factors which are determining plant capacity.
3. What are the importance of production function with suitable examples?
4. What is production capacity? How it is measured?
5. Substantiate the need for demand forecasting.
6. What is the possibility of studying the production performance of competitors?
7. Define the term production systems. Explain its significance.
8. Describe the various types of the production system.
9. What is ‘make to stock production’? Give any three situations for such production.
10. State the disadvantages of batch production.
11. Explain different method involved in being called as world class manufacturers.

TEN MARKS

1. Explain the effects of time element on production management.
2. Elaborate the features of various types of production systems.
3. What is forecasting? Explain its necessity in planning of various organization functions.
4. Analyze the areas in which strategic planning decisions are necessary for production.
5. Discuss the objectives of production planning.
6. Explain the factors that affect demand forecasting.
7. Explain the functions and scope of production management.
8. Explain different levels of planning.
9. Write various techniques of forecasting.
10. What are the factors affecting production systems today?
11. Give different approach study of production management.

**UNIT - II**

TWO MARKS

1. What is product design?
2. Mention the types of product design.
3. What is new product?
4. What is meant by product lifecycle?
5. What do you mean by process planning?
6. Mention the types of process design.
7. Define value analysis.
8. What is capacity planning?
9. Mention any five importance of capacity planning.

FIVE MARKS

1. Describe the factors which influence product design
2. Emphasize the need for capacity planning.
3. Describe the process of capacity planning in service organization.
4. Write down the principles of capacity planning.
5. Illustrate product design with suitable examples.
6. Write short notes on capacity planning.
7. What are the strategies that guide the new product introduction?
8. What are the basic principles of design for manufacturing and assembling?
9. Discuss the steps in process planning
10. Define value chain. Explain the steps in value chain.

TEN MARKS

1. Classify capacity planning and explain them in detail.
2. Evaluate the technological development in consumer durable products.
3. What is the role of locational aspects in planning?
4. Describe the steps involved in new product development.
5. What are the different stages in product life cycle?
6. State the factors that influence effective capacity.
7. Bring out the stages in the development of a new product.
8. Briefly explain process planning.
9. Explain the different types of process design.
10. What are the different types of product design?

**UNIT – III**

TWO MARKS

1. What is meant by plant location?
2. What do you mean by process layout?
3. Define plant layout.
4. Define combination layout.
5. What do you mean by fixed position layout?
6. What is group layout?
7. Explain Break Even Analysis.
8. State the various location models.
9. What is agglomeration?
10. What is degglomeration?
11. Mention any four objectives of plant layout.
12. What is virtual proximity?
13. What is virtual factory?
14. What do you mean by production planning and control?
15. What do you mean by aggregate planning?
16. Mention any five objectives of production planning and control.
17. What is meant by Master production plan?
18. State the methods of aggregate planning.
19. State the phases of production planning and control.
20. What are the essential steps in control activity?

FIVE MARKS

1. Explain the factors which are affecting the design of manufacturing process.
2. Explain the principles of lay out.
3. Explain the principles of facility layout.
4. Estimate the difficulties involved in selecting location for a factory.
5. Write down the merits and limitations of process layout.
6. Mention the steps in production control.
7. How layouts are classified? Explain.
8. Write short note on aggregate planning.
9. Enumerate and explain the major factors governing plant location.
10. List the advantages and disadvantages of traditional aggregate plans.
11. Explain the need for aggregate planning
12. Explain the nature of aggregate planning
13. What are the methods and strategies of aggregate planning?
14. Explain the guidelines of aggregate planning.

TEN MARKS

1. Discuss the factors which are influencing layout of a university.
2. Explain the functions of product planning and control.
3. What are the advantages and disadvantages of product and process layout?
4. Analyze the problems associated with plant layout.
5. Describe different types of plant layout.
6. Compare between urban and rural plant location.
7. Explain the merits and demerits of locating a plant in rural and urban centres.
8. How do facility location decisions differ from service organization to manufacturing plants?
9. What do you understand by master production plan?
10. Explain the production planning techniques.
11. What are the scheduling principles in production?
12. What are the importance of plant location?
13. Explain the locational factors for manufacturing and service organization?
14. Explain the objectives and advantages of plant layout
15. Explain the elements and functions of production planning and control
16. What are the different Levels of production planning?
17. Explain the Scope of production planning and control
18. What are the Factors affecting production planning and control?

**UNIT – IV**

TWO MARKS

1. Define quality.
2. What do you mean by control?
3. Define quality control.
4. Mention different types of quality control.
5. What do you mean by off-line quality control?
6. What do you mean by statistical process control?
7. List out the tools for quality control.
8. What is Histogram?
9. What do you mean by control chart?
10. Mention two types of control chart?
11. Mention the characteristics of control charts.
12. What do you mean by quality circle?
13. What do you mean by TQM?
14. Mention any five benefits of TQM
15. What is JIT?
16. Mention any five benefits of JIT
17. Explain six sima
18. What is acceptance sampling?

FIVE MARKS

1. What are quality circles? What are its benefits?
2. Explain the concept of total quality control.
3. Explain the objectives of quality control.
4. Explain how quality and productivity are interrelated?
5. Identify the legal formalities behind quality assurance.
6. What are the functions of quality control?
7. Explain the functions of quality circles.
8. Explain the impact of poor quality.
9. Give details of how ISO-9000 can be implemented.
10. Define quality control. Explain the need for quality control.
11. Explain the steps in quality control
12. What are the different types of control charts?
13. What is acceptance sampling? State its advantages.

TEN MARKS

1. Examine the application of quality control chart.
2. Explain the fundamentals of total quality management.
3. What do you know about six sigma quality? Who in India achieved this?
4. Competition leads to quality improvements and cost reduction. Explain with examples.
5. How do you associate maintenance system in quality control?
6. What is quality system? Discuss the need for controlling quality.
7. Explain the classification of quality control techniques.
8. Mention the steps in quality control program.
9. Highlight the principles of TQM.
10. Bring difference in inspection, quality control and quality assurance.
11. Discuss evolution of Total Quality Control system.
12. What is JIT? What are its benefits?

**UNIT – V**

TWO MARKS

1. What do you mean by flexible manufacturing systems?
2. Define poka yoke.
3. Explain the types of error.
4. State the characteristics of poka yoke
5. What are the rules of poka yoke?
6. List the importance of poka yoke.
7. What are the levels of poka yoke?
8. List the devices that uses poka yoke.
9. What do you mean by kaizen?
10. What are the elements of kaizen?
11. What is flow kaizen?
12. What is process kaizen?
13. Define the cycle of kaizen activity.
14. What are the “five S” of kaizen?
15. Classify different types of kaizen

FIVE MARKS

1. Writ short note on perpetual scheduling.
2. What are advantages of industrial scheduling system?
3. Discuss the objectives of industrial scheduling system.
4. Explain the suitability of FMS
5. Define poka yoke. Explain its characteristics.
6. What are the different levels of poka yoke?
7. Describe the classification of poka yoke.
8. Explain the principles of poka yoke.
9. Explain the “five S” of kaizen.

TEN MARKS

1. Give an account for flexible manufacturing system.
2. Describe the necessity of flexible manufacturing systems.
3. Discuss the merits of flexible manufacturing systems.
4. Explain the various types of machines used in FMS.
5. Define kaizen. Explain the elements of kaizen.
6. Explain the steps involved in implementing kaizen.
7. Classify the different types of kaizen.