

206-PRODUCTION AND OPERATIONS MANAGEMENT

UNIT – I

I : SHORT ANSWER TYPE QUESTIONS :- (150 words)

- Q. 1 : What is Production and Operations Management?
- Q. 2 : Briefly explain Production Cycle.
- Q. 3 : Give any four responsibilities of operations manager.
- Q. 4 : What is Product Design?
- Q. 5 : Briefly explain Layout Planning.

II : LONG ANSWER TYPE QUESTIONS :-

- Q. 1 : What is Production and Operation Management? Explain the responsibilities of a Operations Manager?
- Q. 2 : What is meant by Design? Explain in brief the factors determining the design of a Product?
- Q. 3 : What is New Product Development? Explain any two tools for Product Development.
- Q. 4 : What is Plant Location? What are the factors responsible for Plant Location Choices?
- Q. 5 : What is Layout Planning? Explain Plant Layout Tools and Techniques.

UNIT – II

I : SHORT ANSWER TYPE QUESTIONS :- (150 words)

- Q. 1 : What do you mean by Forecasting as a Planning Tool?
- Q. 2 : Name any two Forecasting Types.
- Q. 3 : Explain in brief the Tern Work Study.
- Q. 4 : What is Exponential Smoothing?
- Q. 5 : What is Box-Jenkins Method?

II : LONG ANSWER TYPE QUESTIONS :-

- Q. 1 : What do you understand by Method Study? Describe the Main Components of Method Study.
- Q. 2 : Discuss the Meaning of Techniques of Demand Forecasting.
- Q. 3 : Describe the Objectives of Forecasting.
- Q. 4 : What is Forecasting New Product? Explain the criteria of a Good Forecasting Method.
- Q. 5 : Describe Forecasting with it objectives.

UNIT – III

I : SHORT ANSWER TYPE QUESTIONS:- (150 words)

- Q. 1 : What is Routing?
- Q. 2 : What is Scheduling?
- Q. 3 : What is Inventory Management?
- Q. 4 : What is Line of Balances?
- Q. 5 : What do you mean by Master Production Schedule?

II : LONG ANSWER TYPE QUESTIONS :-

- Q. 1 : Define Routing. what are its Objects and Disadvantages? Distinguish between Routing and Scheduling.
- Q. 2 : What is ABC Analysis?
- Q. 3 : Describe the Technique of Economic Lot size.
- Q. 4 : Define the term Safety Stock and E.O.Q. with the help of Ideal Inventory Model.
- Q. 5 : The xyz company requires 1000 components per month throughout the year for manufacturing automobile generators. If ordering cost is Rs. 25 per order, unit cost is Rs.

250 per component and annual inventory holding costs are charged at 20%. Find EOQ for this component. If the company decides to operate with a back order inventory policy then taking back order cost to be Rs. 5 per unit per year, find the new EOQ.

UNIT – IV

I : SHORT ANSWER TYPE QUESTIONS :- (150 words)

- Q. 1 : What is Quality Control?
- Q. 2 : What are the Dimensions of Quality?
- Q. 3 : What do you understand by Six Sigma?
- Q. 4 : What do you mean by Quality Circles?
- Q. 5 : Briefly explain Total Productive Maintenance.

II : LONG ANSWER TYPE QUESTIONS :-

- Q. 1 : Explain Juran's Quality Trilogy.
- Q. 2 : What is ISO 9000-2000? Discuss with it Salient Features.
- Q. 3 : What are the Basic Concepts of Quality? Discuss the Dimensions of Quality.
- Q. 4 : Discuss Total Productive Maintenance.
- Q. 5 : Deming has given 14 principles to Improve Management of Quality list them?

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