

Note :

1. All questions are compulsory.
2. Figures towards right indicates marks.

Q.1 a) Explain the concept of Product Life Cycle in detail. [7]

b) Explain centralized and decentralized material department ? [8]

OR

Q.1 a) Mention in brief various techniques of value analysis? [8]

b) What is Production Planning and Control and state its various advantages ? [7]

Q.2 a) What are the factors involved in production facility. [7]

b) Explain the procedure of purchase function. [8]

OR

Q.2 a) Explain product layout and explain its advantages and limitations. [8]

b) What are different types of inventory cost ? [7]

Q.3 a) An auto industry purchases spark plugs at the rate of Rs. 20 per piece. The annual demand of spark plug is 10,000 units. If the ordering cost is Rs. 200 per order and carrying cost is 20% p.a. what would be the EOQ and Total cost. [10]

b) Explain any 2 types of organizations ? [5]

OR

Q.3 a) An automobile industry purchases spare parts at the rate of Rs. 25 per piece. The annual demand of spare parts is 25,000 units. If the ordering cost is Rs. 500 per order and carrying cost is 25% p.a. What would be the EOQ and Total Cost. [10]

b) Explain the concept of Process Layout in detail. [5]

Q.4 Explain the following Short Notes :

1. Cellular Layout [5]

2. Make or Buy decision [5]

3. Waste [5]

OR

Q.41. EOQ [5]

2. Just In Time (JIT) [5]

3. [5]