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Chapter 1

- 1 Define Production. Management **2**
- 2 Explain productn life cycle. Also explain the stages in product design in brief with diagram. **7**
- 3 Explain with block daigram the relationship between elements of cost and components of cost giving suitable examples. **7**
- 4 ASMIT Corporation has given the following information on its capacity, sales and cost as follows : **7**
 1. Current capacity =100000 units.
 2. At current level of operations, its margin of safety is 50% of its break-even point.
 3. COntribution margin P/V Ratio = 25%.
 4. The unutilised capacity at present is 10000 units.
 5. Sales price Rs. 40 per unit.

Find :

1. Break-even point sales volume.
2. Fixed costs.
3. Variable cost per unit
4. Margin of safety in units

Chapter 2

- 1 What is the use of economic indicators in sales forecasting? **2**
- 2 Explain tha methos of least square in forecasting. **7**
- 3 What is time series analysis? What are the components of time series? How the forecast is made from time series? **7**
- 4 The past data regarding the sales of TUSK for the last five year is given. Using the least sqaure method, fit a straight line. Estimate the sales for the year 2006 & 2007. **7**

Year 2001 2002 2003 2004 2005
sales('00) 35 56 79 80 40

Chapter 3

- 1 What are the principles of scheduling? **2**
- 2 What is Aggregate Planning? What are its various elements? **7**
Discuss the relationship between the various elements of aggregate planning with the help of a flow diagram.
- 3 Explain the various principles of material handling. **7**
- 4 There are seven jobs which are to be pressed first on Machine I and then on Machine II. Processing time in hours are given below. **7**

Job	A	B	C	D	E	F	G
Machine I	6	2	4	3	0	1	2
Machine II	6	2	0	2	0	1	3
	2	4	2	6			

Chapter 4

- 1 State the primary objectives of material management. **2**
- 2 Derive the EOG formula with a neat sketch. List out the assumptions made. **7**
- 3 Define purchasing with objectives of purchase department. Also draw the purchasing cycle. **7**
- 4 Discuss the various store keeping operations involved in the management of facts, surplus material & scrap materials. **7**

Chapter 5

- 1 Define Quality Control. What are the types of control charts? **2**
- 2 Explain the concept of Procedure's risk & Consumer's risk with the help of OC-curve. **7**
- 3 Explain the importance of the following with respect to quality control management : (any two) **7**
 1. Six sigma
 2. Kanban system
 3. Just in time
- 4 What is Control Chart? Differentiate between Variable and Attribute charts. **7**