1127
B.Voc. (Retail Management)
3rd Semester
BIR202: Supply Chain Management (old)

Time allowed: 3 Hours

Max. Marks: 80

Note: Attempt <u>five</u> questions in all, including question no. I which is compulsory and selecting two question from each Unit.

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I. Attempt <u>any four</u> question of the following:-

a) What factors influence distribution network design?

b) What is lead time uncertainty?

c) What is vendor selection?

d) What are supply chain networks?

e) What are the challenges in supply chain?

f) What is 'Cross Docking'? (4 x 5)

UNIT – I

II. What are the different kinds of forecasting techniques in estimating demand? (15)

III. Explain the meaning and types of supply chain drivers. Also give its obstacles. (15)

IV. Explain the various types of supply chain networks. (15)

V. Forecast the sales for 13, 14, 15 and 16th quarters for the data given below using the least squares method: - (15)

X :	1	2	3	4	5	6	7	8	9	10	11	12
Y :	600	1550	1500	1500	2400	3100	2600	2900	3800	4500	4000	4900

UNIT – II

VI. What is Bull-Whip effect? Give its causes and how to overcome it? (15)

VII. Explain the various innovations in supply chain management. (15)

VIII. Explain: -
a) ABC analysis
b) Perpetual inventory control system (15)

IX. From the following information find out the EOQ: -

Annual usage = 10,000 units

Cost of placing and receiving one order = Rs. 50

Cost of materials per unit = Rs. 25

Annual carrying cost = 10 % of inventory value (15)

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