
Re	gistration No:	M.Tech
Total Number of Pages: 01		
1.	2 <sup>nd</sup> Semester Back Examination 2016-17 Supply Chain Management BRANCH: INDUSTRIAL ENGG, INDUSTRIAL ENGG &MANAGEMENT Maximum Marks – 70 Time – 3 Hours Q.CODE:Z384 Question number 1 which is compulsory. Answer any five from the rest. The figures in the right-hand margin indicate marks Answer the following questions: a) Name the different obstacles to coordination in a supply chain? b) What characteristics Information should possess for coordinating supply chain? c) What are the different factors influencing network design of supply chain? d) What is the role of Revenue Management in Supply chain? e) What is the role of Revenue Management in Supply chain? e) What is the objective of supply chain? g) Why strategic fit is critical to a company's overall success? h) What are the different errors involved in forecasting j) What are the different strategies of aggregate planning?	(2x10)
2.	<ul> <li>a) Explain the importance of different decision phases of a supply chain. (5*2)</li> <li>b) Compare Efficient and Responsive supply chain.</li> </ul>	(5) (5)
3.	a) Daily demand of DELL laptop is normally distributed with a mean of 2800 and standard deviation of 5 days. Lead time to replenish inventory is 5 days. If the retailer is targeting CSL of 90% and standard deviation of supplier lead time is 8 days, Evaluate the safety inventory that retailer must carry.	(5)
	b) Explain the drivers of supply chain.	(5)
4)	a) A manufacturer's requirement for a raw material is 2000 units per year. The ordering cost is Rs. 10 per order, while carrying costs are 16 paise per unit of average inventory, Unit price is Rs.1. Find the EOQ and total cost and inventory cost. If a discount of 5% is available for orders of 1000 units, Should the manufacturer accept this order?	(5)
	b) Identify the factors when designing the distribution network	(5)
5.	a) Describe how a company achieves strategic fit between its supply chain strategy and its competitive strategy	(5)
	b) What is the role of aggregating planning in supply chain?	(5)
6.	<ul><li>a) Explain the different design options for a distribution network.</li><li>b) What is Process view of supply chain?</li></ul>	(5) (5)
7.	<ul><li>a) Explain the factors to measure product availability.</li><li>b) Describe replenishment policies.</li></ul>	(5) (5)
8	Write short notes on any TWO a) Push and pull view of supply chain b) Obstacles to achieve Strategic fit c) Macro processes of supply chain d) Bullwhip Effect	(5 x 2)

d) Bullwhip Effect