Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: FINAL YEAR, BTech Mech. Engg.	**School of Technology**	**Department: MECHANICAL ENGG.**
Course Code: MET 407.2	**Course Title: SUPPLY CHAIN MANAGEMENT**	**Semester : VII**
Day :Saturday **Date :26.12.2020**	**End Semester Examination**	**Time: 2 Hrs.** **Max Marks: 50**

Instructions: 1) All Questions are compulsory.
2) Draw neat sketches /flowcharts /diagrams /graphs etc. wherever necessary.

		Marks	Bloom's Level	CO MET 407.2.
Q.1	**Answer the following (any Two)**–			
a)	What is a Supply Chain& its network? Explain 'House of Supply Chain' along with Objectives of Supply Chain.	8	2	1
b)	What are different key issues in Supply Chain to be faced? Explain 'Cross Docking' concept.	8	2	2
c)	Explain components involved in Warehousing and Distribution Center Costs Estimation. What is 'Inventory Turnover Ratio'? How it is used to find Warehouse Capacity?	8	3	2
Q.2	**Answer the following (any two) –**			
a)	What are key factors affecting 'Inventory Policy'. Explain it considering a 'Single Warehouse Inventory' example.	8	2	3
b)	Explain 'Economic Lot Size Model' in Supply Chain. How 'Total Inventory Cost' is evaluated ?	8	2	3
c)	Explain 'Effect of Demand Uncertainty' with suitable example, in Supply Chain. How 'Salvage Value' plays role in deciding demand uncertainty ?	8	3	3
Q.3	**Answer the following (any two) –**			
a)	What is a 'Bullwhip Effect' in Supply Chain ?	9	2	4
b)	What is the importance of doing 'Strategic Alliances' in Supply Chain & its main types? Elaborate '3PL' strategy with its Advantages & Disadvantages, Requirements &3PL Implementation issues.	9	3	4
c)	Explain 'Supplier Integration into New Product Development' concept in Economic Transportation & Alliances.	9	3	5

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