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**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF ENGINEERING

TEST 1

Winter Semester: 2021 - 22

Course Code: MEC 2003

Course Name: Supply Chain Management

Program & Sem: B.Tech CSE & Allied & 4 Sem

Date: 10-05-2022

Time: 02:00 PM to 03:00 PM

Max Marks: 30

Weightage: 15 %

Instructions:

(i) Read the all questions carefully and answer accordingly.

Part A [Memory Recall Questions]

Answer all the Questions. Each question carries TWO marks.

(5Qx 2M= 10M)

1. Mention any four customer requirements for any product. (C.O.1) [Knowledge]
2. What do understand by the term "Efficient Supply Chain"? Give a real life example (company) for the same. (C.O.1) [Knowledge]
3. Give the general definition for Supply Chain Management. (C.O.1) [Knowledge]
4. What is Supply Chain Surplus? (C.O.1) [Knowledge]
5. What is the importance of distribution network in Supply Chains? (C.O.2) [Knowledge]

Part B [Thought Provoking Questions]

Answer all the Questions. Each question carries FIVE marks.

(2Qx5M=10M)

6. Consider any of the manufacturing industry of your like. For the assumed case, explain various stages involved in the Supply chain with suitable schematic diagram. (C.O.1) [Application]
7. Why it is important to have Push-Pull view in the supply chain architecture? Explain the same with appropriate diagram. (C.O.1) [Comprehension]

Part C [Problem Solving Questions]

Answer all the Questions. Each question carries TEN marks.

(1Qx10M=10M)

8. Various factors have influence on the performance of the supply chain and they are called as "Drivers of Supply Chain Performance". Explain in detail about these driver and mention how these drivers need to be aligned to achieve efficiency or responsiveness. (C.O.1) [Comprehension]



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**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF ENGINEERING / INFORMATION SCIENCE

TEST 1

Winter Semester: 2021 - 22

Course Code: MEC 2003

Course Name: Supply Chain Management

Program & Sem: BCA VI Sem & B.Tech IV Sem

Date: 27 April 2022

Time: 03.00 pm to 04.00 pm

Max Marks: 30

Weightage: 15 %

Instructions:

- (i) *Read the all questions carefully and answer accordingly.*

Part A [Memory Recall Questions]

Answer all the Questions. Each question carries 2 marks. (5Qx 2M= 10M)

1. What are all the various forms of inventory available in Production environment?
(C.O.1) [Knowledge]
2. What do understand by the term "Responsive Supply Chain"? Give a real life example (company) for the same.
(C.O.1) [Knowledge]
3. Mention the three important flows in a Supply Chain.
(C.O.1) [Knowledge]
4. What is meant by competitive strategy? .
(C.O.1) [Knowledge]
5. The role of distribution network is critical for the success of business. Give reason.
(C.O.2) [Knowledge]

Part B [Thought Provoking Questions]

Answer both the Questions. Each question carries 5 marks. (2Qx5M=10M)

6. Consider any of the service industry of your like. For the assumed industry, draw and explain various stages involved in the Supply.
(C.O.1) [Application]
7. Successful supply chain management requires many decisions at various levels. Briefly elaborate various decision phases in SCM
(C.O.1) [Comprehension]

Part C [Problem Solving Questions]

Answer the Questions. The question carry 10 marks. (1Qx10M=10M)

8. Drivers of Supply Chain Performance are grouped into two categories as Logistical drivers and Cross-functional drivers. Explain both in detail about how these drivers need to be aligned to achieve efficiency or responsiveness.
(C.O.1) [Comprehension]



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**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF ENGINEERING

TEST 2

Winter Semester: 2021 - 22

Course Code: MEC 2003

Course Name: Supply Chain Management

Program & Sem: B.Tech CSE & Allied - 4 Sem & BCA - 6 Sem

Date: 2nd JUNE 2022

Time: 03:00 PM to 04:00 PM

Max Marks: 30

Weightage: 15 %

Instructions:

- (i) *Read the all questions carefully and answer accordingly.*
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Part A [Memory Recall Questions]

Answer all the Questions. Each question carries TWO marks.

(5Qx 2M= 10M)

1. Xiaomi mobile company better utilized their distribution channel option to compete better in Indian market. Explain. (C.O.2) [Knowledge]
2. Mention the four phases of global network design decisions. (C.O.2) [Knowledge]
3. Differentiate quantitative and qualitative forecasting. (C.O.3) [Knowledge]
4. List any four soft infrastructure. (C.O.2) [Knowledge]
5. What is meant by causal method of forecasting? (C.O.3) [Knowledge]

Part B [Thought Provoking Questions]

Answer both the Questions. Each question carries TWO marks.

(2Qx5M=10M)

6. Consider the following type of distribution network designs and explain with suitable sketch.
 - (i) Manufacturer storage with direct shipping and in-transit merge
 - (ii) Distributor storage with last-mile delivery (C.O.2) [Comprehension]
7. Let us assume that you are given charge of designing Supply Chain Network for the new firm. What are all the factors you will consider during the task of supply chain network design? (C.O.2) [Comprehension]

Part C [Problem Solving Questions]

Answer the Question. The question carries TEN marks.

(1Qx10M=10M)

8. The sales details of the car model of 'Venue' manufactured by the car maker HMIL for the past 5 months is given below:

Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022
8340	7820	8005	9422	8896

Based on the past data, estimate the demand for the month of June 2022 using both the methods of Moving average and Exponential smoothing. Assume the value of smoothing constant as 0.3. Also, calculate the forecast error for both the methods, if the company realized the actual sale as 8720 in the month of June 2022. (C.O.3) [Application]

