Name: **Enrolment No:**	UPES UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, June 2021

Course: Operations Management **Semester: II**
Program: MBA Power Management **Time 03 hrs.**
Course Code: LSCM 7001 **Max. Marks: 100**

SECTION A

1. **Each Question will carry 5 Marks**
2. **Instruction: Explain the following from Q1 to Q4 in one or two sentences. Q5 and Q6 are multiple choice questions**

S. No.	**Question**	**CO**
Q 1	Kanban	**CO1**
Q2	ERP	**CO1**
Q3	MAD in Forecasting.	**CO1**
Q4	Six Sigma	**CO1**
Q5	Which of the following generates pressure to increase inventories? A) inventory holding costs B) ordering costs C) storage and handling costs D) taxes and insurance	**CO1**
Q6	Which of the following does NOT generate pressure to decrease inventories? A) taxes and insurance B) inventory holding costs C) storage and handling costs D) ordering costs	**CO1**

SECTION B

1. **Each question will carry 10 marks**
2. **Instruction: Write short / brief notes**

Q 1	Discuss the features of ABC of analysis of Inventory control and their need.	**CO2**

Q 2	Explain the need for commitment from top management for Total quality Management.	**CO2**
Q 3	Discuss about various objectives of Operations Management?	**CO2**
Q 4	Analyze and discuss the need for Lean management and the philosophy behind the same.	**CO3**
Q 5	Discuss the various methods of forecasting using Time series?	**CO3**
Section C 1. **Each Question carries 20 Marks.** 2. **Instruction: Answer any one question**		
Q 6	A museum of natural history opened a gift shop which operates 52 weeks per year. Top-selling SKU is a bird feeder. Sales are 18 units per week, the supplier charges $60 per unit. Ordering cost is $45. Annual holding cost is 25 percent of a feeder's value. Management chose a 390-unit lot size. Please mention the formulas used for calculations and the variables. a) What is the annual cycle-inventory cost of the current policy of using a 390-unit lot size? Would a lot size of 468 be better? (10 marks) b) Calculate the EOQ and its total annual cycle-inventory cost.(10 marks) Or Critically analyze various types of layouts and their advantages in improving performance of the operating system. (20 marks)	**CO4**