

Name:	
Enrolment No:	

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

Course: Operations Management	Semester: II
Program: MBA Oil and Gas 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

S. No.	Question	CO
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		
<p>1. Each Question carries 20 Marks.</p> <p>2. Instruction: Answer any one question</p>		
Q 6	<p>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.</p> <p>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)</p> <p>b) Calculate the EOQ and its total annual cycle-inventory cost.(10 marks)</p> <p style="text-align: center;">Or</p> <p>Critically analyze various types of layouts and their advantages in improving performance of the operating system. (20 marks)</p>	CO4