UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, May 2020

Course: Logistics and Supply Chain Management   **Semester: III**
Program: BBA LM (III)   **Time: 03 hrs.**
Course code: LSCM 2002   **Max. Marks: 100**

SECTION A
1. **Each Question will carry 5 Marks**
2. **Instruction: Complete the statement / Select the correct answer(s)**

S.No.	Question	CO

Q 1	Which of the following is *NOT* logistics activities in a firm's immediate supply chain?
	  a) Information Maintenance
	  b) Protective packaging
	  c) Customer Service
	  d) Transportation
	  e) Warehousing
	  f) Linear Programming
		CO1

Q 2	The following formula used to maximize the total supply chain profitability?
	  a) Net revenues = Total Cost – Gross revenues
	  b) Gross revenues = Net revenues – Total Cost
	  c) Total Cost = Gross revenues – Net revenues
	  d) Net revenues = Gross revenues – Total Cost
		CO1

Q 3	The level of safety stocks for Class A, B and C items are _____, _____, and _____ respectively.
	  a) Low, Medium and High
	  b) Nil, Medium and High
	  c) Medium, Nil and High
	  d) Medium, Low and High
	  e) Low, High and Medium
		CO2

Q 4	Given sequence indicating the highest cost of performance of modes: *Air > Truck > Rail > Pipeline > Water* **(TRUE / FALSE)**	CO3

Q 5	_____ is the fourth building block of supply chain macro processes and its full form is _____.
	  a) CRM
	  b) TMF
	  c) SRM
	  d) SEM
	  e) ISCM
		CO4

Q 6	_____ to find the sequence in which points should be visited will minimize the total travel time or distance.	CO4

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

Q 7	How the following issues affecting strategic fit? Explain with an example.
	
	   (a) Product Life Cycle
	     OR
	     Increasing globalization
	   (b) Environment and Sustainability
		CO1

Q 8	Discuss various modern techniques for inventory control with their merits and demerits **OR** Explain the basic trade-off between responsiveness and efficiency for the various components of inventory decisions?	CO2
Q 9	Unitization of load plays important role in effectiveness of the material handling system installed in the warehouse. Explain.	CO2
Q 10	How *piggy-back* differs from *birdy-back*? Discuss in brief. Why to use postponement strategy? **OR** *"Decisions on transportation modes are crucial to organization"*. Explain.	CO3
Q 11	Discuss various technologies used in managing logistics and supply chain.	CO4

SECTION C	
1. **Each Question carries 20 Marks.**	
2. **Instruction: Write long answer.**	

Q 12	The forecasters looks for data patterns as: *Data = Historic Pattern + Random Variation* What are the types of "*Historic pattern*" to be forecasted by the forecasters? Explain with suitable examples. Also, define the term *"Random Variation/Movements"* with an example. How to measure the forecasting accuracy?	CO3