Roll No.												

PRESIDENCY UNIVERSITY

BENGALURU

End - Term Examinations – MAY 2025

Date: 20-05-2025 **Time:** 09:30 am – 12:30 pm

School: SOC	**Program:** BBA	
Course Code : BBE3005	**Course Name:** : Emerging Technologies in Logistics and Supply Chain Management	
Semester: VI	**Max Marks**: 100	**Weightage**:50%

CO - Levels	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**
Marks	**26**	**11**	**26**	**11**	**26**

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2 marks. **10Q x 2M=20M**

1.	List the benefits of Logistics 4.O.	**2 Marks**	**L1**	**CO1**
2.	Identify the logistics 4.o technology application in AI.	**2 Marks**	**L1**	**CO1**
3.	Define RPA.	**2 Marks**	**L1**	**CO2**
4.	What is meant by RFID?	**2 Marks**	**L1**	**CO2**
5.	Describe modular product and it's important.	**2 Marks**	**L1**	**CO3**
6.	Define value creation in SCM.	**2 Marks**	**L1**	**CO3**
7.	Explain the supplier resilience.	**2 Marks**	**L2**	**CO4**
8.	List any three key aspects design of process in supply chain.	**2 Marks**	**L1**	**CO4**
9.	Recall the Components of Data Science in SCM.	**2 Marks**	**L1**	**CO5**
10.	Name the Tightening KPIs (Key Performance Indicators) in Supply Chain Management.	**2 Marks**	**L1**	**CO5**

Part B

Answer ALL the Questions. Each question carries 7 Marks. **Total Marks 35M**

11.	**a.**	Explain the key benefits and challenges for organizations transitioning from traditional logistics practices to the	**07 Marks**	**L2**	**CO1**

		adoption of smart technologies, automation, and data-driven decision-making inherent in Logistics 4.0.			
		Or			
12.	**a.**	Discuss the evolution of Logistics and supply chain management.	**07 Marks**	**L2**	**CO1**

13.	**a.**	Illustrate the applications of drones in the logistics sector.	**07 Marks**	**L3**	**CO2**
		Or			
14.	**a.**	Identify the features of a "smart" forklift.	**07 Marks**	**L2**	**CO2**

15.	**a.**	Express how the integration of Internet of Things (IoT) technologies, sensors, and GPS tracking in smart containers.	**07 Marks**	**L2**	**CO3**
		Or			
16.	**a.**	Compute the role of the digital supply chain and digital asset management (DAM) systems in modern logistics.	**07 Marks**	**L3**	**CO3**

17.	**a.**	Interpret the principles of designing a resilient supply chain.	**07 Marks**	**L3**	**CO4**
		Or			
18.	**a.**	Define a resilient supply chain, clearly distinguishing between its capacity for resistance and recovery.	**07 Marks**	**L2**	**CO4**

19.	**a.**	How data science is considered a "game changer" in Supply Chain Management (SCM)? Provide a detailed explanation, illustrating your answer with a specific real-world example.	**07 Marks**	**L3**	**CO5**
		Or			
20.	**a.**	Describe in detail at least three specific ways in which data science and machine learning can be leveraged to improve quality control processes within a supply chain or manufacturing setting, as highlighted in the sources.	**07 Marks**	**L5**	**CO5**

Part C

Answer any Three Questions. Each question carries 15 marks **3Q x 15M=45M**

21.	**a.**	Examine the Six ways of big data has impacted e-commerce.	**15 Marks**	**L4**	**CO1**

22.	**a.**	Interpret the components of E-logistics and their roles in offering competitive logistics services.	**15 Marks**	**L3**	**CO1**

23.	**a.**	Analyze the potential synergistic relationship between smart containers and the development of autonomous shipping ports and autonomous shipping vessels.	**15 Marks**	**L4**	**CO3**

24.	**a.**	Describe "Fishbowl Inventory" and explain its primary purpose and function within the context of supply chain and warehouse management.	**15 Marks**	**L5**	**CO5**