Seat No: _____ **Enrollment No: _____**

PARUL UNIVERSITY

FACULTY OF MANAGEMENT

MBA Summer 2023 - 24 Examination

Semester: 04 **Date: 19/04/2024**

Subject Code: 06214252 **Time: 1:30pm to 4:00pm**

Subject Name: Supply Chain Risk Management **Total Marks: 60**

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1	Do as Directed.			CO	PO	Bloom's Taxonomy
A).	**Multiple choice type questions/Fill in the blanks. (Each of 1 mark)**		**(05)**			
	1. Which of the following best defines risk in the context of supply chain management?			**2**	**2**	**1**
	a) A certain outcome of decisions	c) Ignorance about potential hazards				
	b) Uncertainty that may lead to negative consequences	d) Inevitable challenges in business operations				
	2. Which trend affecting supply chains is likely to increase the complexity of risk management?			**1**	**1**	**2**
	a) Localized operations	c) Integration of supply chain functions				
	b) Reduced outsourcing	d) Limited globalization				
	3. What is an essential step in business continuity management (BCM) during emergencies and crises?			**2**	**1**	**2**
	a) Ignoring potential risks	c) Proactively planning for disruptions				
	b) Reacting spontaneously to events	d) Assigning blame for the crisis				
	4. What is a key aspect of identifying and analyzing risks in supply chain management?			**1**	**1**	**2**
	a) Relying solely on past events for analysis	c) Measuring only the likelihood of a risky event				
	b) Collecting opinions without considering evidence	d) Analyzing operations to understand potential risks				
	5. Which principle is fundamental to designing a resilient supply chain?			**2**	**2**	**1**
	a) Maximizing risk exposure	c) Prioritizing cost reduction over resilience				
	b) Minimizing adaptability	d) Building redundancy and flexibility				
B).	**Define the following. (Each of 1 mark)**		**(05)**			
	1. Describe the features of risk and how they influence decision-making in supply chain management.			**1**	**2**	**Understanding**

	2. Evaluate the impact of globalization on supply chain risk, providing examples to support your answer.		**3**	**2**	Analyzing
	3. Propose strategies for effective business continuity management in the face of supply chain emergencies and crises.		**1**	**2**	Creating
	4. Compare and contrast the different types of risks that can arise in a supply chain, highlighting their implications.		**2**	**4**	Analyzing
	5. Utilize risk assessment tools to analyze past events and predict the likelihood and consequences of potential risks in a supply chain.		**2**	**1**	Applying
C).	Direct questions. (Each of 1 mark)	**(05)**			
	1. Formulate a risk response plan for a supply chain scenario, considering various alternative responses and their effectiveness.		**1**	**2**	Creating
	2. Assess the effectiveness of different design principles in creating a resilient supply chain, providing examples to illustrate your points.		**2**	**3**	Evaluating
	3. Illustrate how physical features within a supply chain contribute to its resilience, citing real-world examples.		**3**	**2**	Analyzing
	4. Justify the importance of risk compensation strategies in building a resilient supply chain, drawing on relevant theories and case studies.		**2**	**4**	Evaluating
	5. Predict the potential challenges in maintaining effective relationships within a resilient supply chain and propose solutions to address them.		**2**	**3**	Creating
Q.2	**Answer the following questions.**				
A).	Discuss the role of agile logistics in mitigating supply chain risks, considering its impact on responsiveness, flexibility, and overall resilience. Support your arguments with relevant examples from the industry.	**(07)**	**1**	**2**	Analyzing (5 marks) and Evaluating (2 marks)
B).	Develop a comprehensive risk management plan for a global supply chain operating in the e-commerce sector, considering the challenges posed by integration, outsourcing, and emerging trends. Your plan should include strategies for identifying, analyzing, and responding to various types of risks, along with mechanisms for ensuring business continuity during emergencies and crises.	**(08)**	**2**	**3**	Creating (6 marks) and Evaluating (2 marks)
Q.3	**Answer the following questions.**				
A).	Imagine you are a supply chain manager for a multinational corporation that heavily relies on outsourcing. Due to recent geopolitical tensions, there's a significant disruption in the supply of raw materials from one of your key suppliers. Apply the principles of risk management to assess the potential impact on your supply chain operations. Propose three alternative strategies to mitigate the risks and ensure business continuity. Justify your choices with relevant theories and examples.	**(07)**	**1**	**2**	Applying (5 marks) and Evaluating (2 marks)
B).	You are tasked with redesigning the supply chain network of a retail company to enhance its resilience against future disruptions. Utilize the network view of risk and the principles of designing a resilient supply chain to develop a comprehensive plan. Your plan should include considerations for physical features, relationships within the supply chain, and mechanisms for risk compensation and business continuity. Support your recommendations with a detailed analysis of the potential benefits and challenges of implementing the proposed changes.	**(08)**	**2**	**3**	Applying (6 marks) and Evaluating (2 marks)

Q.4	**Attempt any two questions. (Each of 7.5 mark)**	**(15)**			
	1. Analyze a recent case study of a supply chain disruption in the automotive industry caused by a natural disaster (e.g., earthquake, hurricane). Using the BCM framework, evaluate how well the affected company managed the crisis and maintained business continuity. Identify key lessons learned from the case and propose strategies for improving the company's supply chain resilience in the future.		**2**	**3**	Analyzing (5 marks) and Evaluating (2.5 marks)
	2. Discuss the concept of uncertainty in supply chain risk management. Using relevant examples, differentiate between risks arising from uncertainty and those arising from ignorance. How can supply chain managers effectively address uncertainties in a globalized business environment?		**2**	**2**	Understanding (5 marks) and Evaluating (2.5 marks)
	3. You are a supply chain consultant hired by a pharmaceutical company to assess and mitigate risks in its global supply chain. Utilizing risk identification and analysis tools, identify the potential risks associated with sourcing raw materials from multiple international suppliers. Develop a risk response plan that includes both proactive and reactive measures to mitigate the identified risks and ensure uninterrupted production of essential medications.		**3**	**1**	Applying (5 marks) and Creating (2.5 marks)
	4. Explain the role of agility in supply chain risk management. How does agile logistics contribute to the resilience of a supply chain? Discuss specific strategies and technologies that companies can adopt to enhance agility and responsiveness in the face of unpredictable disruptions.		**2**	**3**	Understanding (5 marks) and Evaluating (2.5 marks)