

**R.N.G.PATEL INSTITUTE OF TECHNOLOGY-RNGPIT**  
(An Autonomous College U/s UGC Act 1956)

**MBA SEMESTER-I, SEMESTER END EXAMINATION – SUMMER 2025**

**Subject Code: 1MB1105****Date: 19-05-2025**

**Subject Name: FUNDAMENTAL OF LOGISTICS &  
SUPPLY CHAIN MANAGEMENT**

**Time: 11:00 AM to 01:30 PM****Total Marks: 70****Instructions**

1. It is **compulsory** for students to write **Enrolment No. /Seat No.** on the question paper.
2. Write answers of **Section A** and **Section B** in **separate answer books**.
3. Attempt all questions from both **Section A** and **Section B**.
4. Each section carries **35 marks**, with a total of **70 marks** for the examination.
5. The figures to the right of each question indicate full marks, make suitable assumptions with justification.
6. BL - Bloom's Taxonomy Levels (R-Remember, U-Understanding, A –Application, N –Analyze, E – Evaluate, C -Create), CO - Course Outcomes.

**SECTION A**

	<b>Marks</b>	<b>BL</b>	<b>CO</b>
<b>Q.1 Multiple-Choice Questions</b>	<b>[05]</b>		
(a) What does SCM primarily focus on?	<b>1</b>	<b>U</b>	<b>4</b>
<div>(i) Marketing management</div> <div>(ii) Production scheduling</div> <div>(iii) Optimizing supply and demand</div> <div>(iv) Customer feedback analysis</div>			
(b) Which of the following is a process tool in SCM?	<b>1</b>	<b>R</b>	<b>4</b>
<div>(i) SWOT analysis</div> <div>(ii) Six Sigma</div> <div>(iii) EOQ model</div> <div>(iv) Porter's Five Forces</div>			
(c) Which of the following is NOT a type of cargo?	<b>1</b>	<b>U</b>	<b>3</b>
<div>(i) Bulk cargo</div> <div>(ii) Break bulk cargo</div> <div>(iii) Retail cargo</div> <div>(iv) Containerized cargo</div>			
(d) SCM network design includes decisions about	<b>1</b>	<b>R</b>	<b>3</b>
<div>(i) Employee hiring</div> <div>(ii) Facility location and transportation</div> <div>(iii) Product pricing</div> <div>(iv) Customer segmentation</div>			

(e) Physical distribution is mainly concerned with		1	A	3
(i) Product designing		(ii) Financial reporting		
(iii) Order fulfillment and delivery		(iv) Brand development		
<b>Q.2</b>	<b>Attempt Any Two</b>	<b>[10]</b>		
(a)	Explain the process overview and objectives of Supply Chain Management.	5	N	3
(b)	Discuss the evolution and change drivers in SCM.	5	N	3
(c)	Describe the various types of cargo and their relevance in SCM.	5	U	3
<b>Q.3</b>	<b>Attempt Any Two</b>	<b>[10]</b>		
(a)	What are the key factors influencing supply chain network design decisions?	5	R	4
(b)	Define physical distribution management and explain its key tasks.	5	U	4
(c)	Write a short note on types and functions of distribution channels.	5	A	3
<b>Q.4</b>	<b>Attempt Any Two</b>	<b>[10]</b>		
(a)	What is integrated SCM planning and why is it strategically important?	5	N	4
(b)	Explain the framework, design, and functions of SCM network.	5	U	4
(c)	What is demand management in SCM? Discuss its significance with examples.	5	R	4

## SECTION B

		Marks	BL	CO
<b>Q.5 Multiple-Choice Questions</b>		<b>[05]</b>		
(a) What is the term for the process of obtaining goods or services from an external source?		<b>1</b>	<b>R</b>	<b>1</b>
(i) Manufacturing	(ii) Procurement			
(iii) Distribution	(iv) Retailing			
(b) Which of the following is a characteristic of an agile supply chain?		<b>1</b>	<b>U</b>	<b>4</b>
(i) High level of responsiveness	(ii) Inflexibility to changes to market demand			
(iii) High inventory levels	(iv) Slow production rates			
(c) Which technology is often used to track and manage inventory in SCM?		<b>1</b>	<b>U</b>	<b>1</b>
(i) Social media	(ii) 3 D printing			
(iii) Block chain	(iv) Radio frequency identification [RFID]			
(d) Which is not a part of the 3 C's of Logistics?		<b>1</b>	<b>R</b>	<b>1</b>
(i) Competitor	(ii) Cost			
(iii) Company	(iv) Customer			
(e) The purpose of supply chain management is		<b>1</b>	<b>U</b>	<b>3</b>
(i) Provide customer satisfaction	(ii) Increasing production			
(iii) Integrating supply and demand management	(iv) Improving quality of product			
<b>Q.6 Attempt Any Two</b>		<b>[10]</b>		
(a) Explain the role of logistics in Economic contribution of the country.		<b>5</b>	<b>U</b>	<b>1</b>
(b) Which different internal and external drivers influence the efficiency and responsiveness of supply chain?		<b>5</b>	<b>A/N</b>	<b>4</b>
(c) What are the different types of logistics?		<b>5</b>	<b>U</b>	<b>1</b>
<b>Q.7 Attempt Any Two</b>		<b>[10]</b>		
(a) Explain the types of logistics.		<b>5</b>	<b>U</b>	<b>1</b>
(b) Explain with example lean strategy in supply chain management		<b>5</b>	<b>A</b>	<b>4</b>
(c) Logistics can create competitive advantage.” Do you agree? Explain the statement considering importance of value addition in logistics.		<b>5</b>	<b>N</b>	<b>2</b>

**Q.8 Attempt Any Two****[10]****(a)** Which are the different types of outsourcing?**5 U 2****(b)** “Logistics & Supply chain are same or different”? Justify the statement**5 N 3****(c)** What is agile strategy? Also give its example.**5 U 4****\*\*\*\*\***