



# PRESIDENCY UNIVERSITY

BENGALURU

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## End - Term Examinations – December 2025

Date: 10- 12- 2025

Time: 1.00pm to 04.00pm

School: SOM (UG)	Program: BBA	
Course Code : BBA3042	Course Name: Lean Supply Chain Management	
Semester: V	Max Marks:100	Weightage:50%

CO - Levels	C01	C02	C03	C04
Marks	26	26	26	22

### 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 2marks.

10Q x 2M=20M

1.	Recall the primary objective of Lean Supply Chain Management.	2 Marks	L1	C01
2.	List any four benefits of removing waste in supply chains.	2 Marks	L1	C01
3.	Illustrate what Takt Time means and how it supports JIT systems.	2 Marks	L2	C02
4.	Explain the meaning of Process Cycle Efficiency (PCE).	2 Marks	L2	C02
5.	Identify two key characteristics of a strategic supplier partnership.	2 Marks	L3	C03
6.	Select two Lean performance indicators that can be used to evaluate supplier performance.	2 Marks	L3	C03
7.	Identify how Standard Work and Continuous Improvement can together solve a specific operational problem in a manufacturing setting.	2 Marks	L3	C04
8.	Make use of a multi-plant example to demonstrate how SOPs maintain coordinated and consistent processes across locations.	2 Marks	L3	C04
9.	Plan how Gemba Walks can be applied in a workplace example to ensure sustained Lean performance.	2 Marks	L3	C04
10.	Identify an operational issue and illustrate how the PDCA cycle helps solve it while supporting sustained improvement.	2 Marks	L3	C04

## Part B

**Answer ALL the Questions. Each question carries 7 marks.**

**5Q x 7M = 35M**

<b>11.</b>	Summarize how the Pareto Principle is applied to identify improvement priorities, using examples.	<b>07 Marks</b>	<b>L1</b>	<b>C01</b>
<b>Or</b>				
<b>12.</b>	Outline how “Waste Elimination” supports customer value creation in Lean SCM.	<b>07 Marks</b>	<b>L1</b>	<b>C01</b>
<b>13.</b>	Show how Kanban helps organizations handle variations in production demand.	<b>07 Marks</b>	<b>L2</b>	<b>C02</b>
<b>Or</b>				
<b>14.</b>	Interpret how the stages of VSM contribute to pinpointing bottlenecks in food processing.	<b>07 Marks</b>	<b>L2</b>	<b>C02</b>
<b>15.</b>	Show how transparent communication can be used to enhance supplier integration efforts.	<b>07 Marks</b>	<b>L3</b>	<b>C03</b>
<b>Or</b>				
<b>16.</b>	Make use of examples to illustrate how poor supplier alignment leads to inventory and lead-time issues	<b>07 Marks</b>	<b>L3</b>	<b>C03</b>
<b>17.</b>	Build a basic order packing and dispatch procedure for an online retail warehouse by applying SOP creation principles.	<b>07 Marks</b>	<b>L3</b>	<b>C04</b>
<b>Or</b>				
<b>18.</b>	Plan how internal training initiatives can be applied across departments to ensure effective SOP compliance.	<b>07 Marks</b>	<b>L3</b>	<b>C04</b>
<b>19.</b>	Construct Lean audit principles to show how periodic audits help an organization maintain previously achieved improvement gains.	<b>07 Marks</b>	<b>L3</b>	<b>C04</b>
<b>Or</b>				
<b>20.</b>	Develop Lean concepts to illustrate how an organization can sustain its Lean systems when undergoing restructuring.	<b>07 Marks</b>	<b>L3</b>	<b>C04</b>

## Part C

**Answer any three Questions. Each question carries 15marks**

**3Q x 15M=45M**

<b>21.</b>	<p>Reliance Retail manages thousands of SKUs across India using Lean principles and data-driven assortment planning. While the Pareto analysis helps identify high-turnover items, some stores still carry excess slow movers due to regional buying patterns. The company is implementing centralized inventory analytics to optimize SKU mix.</p> <p><b>Question:</b> Recall Pareto data to show how Reliance Retail can differentiate between value-creating and non-value SKUs to streamline its Lean merchandising model.</p>	<b>15 Marks</b>	<b>L1</b>	<b>C01</b>
<b>22.</b>	Relate the Pareto principle to demonstrate how it supports waste prioritization in Lean SCM.	<b>15 Marks</b>	<b>L2</b>	<b>C02</b>

23.	Make use of Lean audit practices to illustrate strategies for sustaining continuous improvement in organizations.	15 Marks	L3	C03
24.	<p>Maruti Suzuki's supplier parks around its plants enable JIT deliveries with minimal buffer stock. During a semiconductor shortage, the company faced halted production and cost spikes. Post-crisis, Maruti is evaluating visibility dashboards and multi-tier risk mapping to protect Lean flow.</p> <p><b>Question:</b> Utilise supplier data concepts to demonstrate how Maruti Suzuki can strengthen collaboration and prevent future JIT disruptions without losing Lean agility.</p>	15 Marks	L3	C04
25.	Utilize Lean SCM principles to show how organizations can handle supplier-integration challenges and implement suitable mitigation practices.	15 Marks	L3	C04