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CHENNAI – 600 014.**

**PRINCIPLES AND PRACTICE OF LOGISTICS
QUESTION BANK**

PART A- 1 mark

1. Define Logistics
2. Define SCM
3. What is 3pl?
4. What is 4pl?
5. What is Materials Handling?
6. What are the five primary activities in the value chain?
7. What is the Bullwhip Effect?
8. What are the 7 r's of logistics?
9. Name the four principal areas of marketing that logistics interacts with
10. What is a multimodal transport system?
11. What is logistics management?
12. What is Safety Stock?
13. What is MRP SYSTEM?
14. What are types of Warehouses?
15. What is intermodal relationships?
16. What is value analysis?
17. What is Inbound and Outbound Logistics?
18. What is intermodal movements?
19. State the objectives of Logistics
20. What is demand forecasting?
21. What is transportation?
22. What is Pipe line transport?
23. What is Packaging?
24. What is JIT



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25. What are the objectives of ICDs?
26. What are Distribution Strategies?

PART B 5 marks

1. Explain logistics management with its significance.
2. How information technology is playing important role in warehousing and physical distribution ?
3. Explain in detail 'Economics of Logistics'.
4. Explain the role of logistics in customer service strategy.
5. Explain which are the costs associated with logistics.
6. How logistics is applied in International Trade?
7. Write short notes on any two:
 - a) Total distribution concept.
 - b) Third party logistics.
 - c) Material handling transportation system.
 - d) Customer service logistics.
8. Write short notes (any two)
 - a) Elements of cost in Physical Distribution
 - b) Third Party Logistics
 - c) Evaluation of Supply Chain.
11. Explain the following : i) Safety stock ii) Material Handling system iii) MRP system
12. Describe the methods of purchasing and application with the help of suitable examples.
13. Write an essay on vendor relation and related strategies on vendor rating.



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14. Explain the concept of value analysis with suitable examples.
15. What is logistics? State with examples from real life and explain the functions of logistics with the help of those examples.
16. Explain concept of warehouse and examine its functions
17. What is a multimodal transport system? Explain its advantages.
19. Explain various types of Warehouses.
20. Distinguish between Inbound and Outbound Logistics.
24. What is the need for route management in transportation?
25. What are the basic costs in transportation? Explain.
26. Consider any mode of transportation of your choice and apply hub-spoke mode
27. Develop a supply chain considering any product of your choice.
28. Explain any three principles of good routing system.
29. Examine the features of multimodal transport system.
30. Discuss about any two types of intermodal movements.
31. What are the market related factors that influence transport costs?
32. Distinguish between private and public warehouses.
37. Explain the impact of cold chain, considering geographical perspective
38. What is the mission of Logistics? With help of relevant examples explain integrated logistics.
39. How can an organisation gain competitive edge with the help of Logistics?
40. With help of examples explain the different types of Logistics
41. With help of relevant examples explain various functions of logistics
43. What are the various objectives of Logistics?
44. Differentiate between SCM and Logistics
45. What are the various customer service elements?
43. Explain the 7Rs of logistics with help of examples



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44. Explain customer order cycle with help of an example
45. What are the reasons for doing demand forecasting?
46. What are the different methods of demand forecasting?
47. Numerical examples on moving averages and smoothing constant
48. Explain the different parties involved in the transportation process
49. What are the different costs associated with transportation
50. Elaborate major features of Road and Rail transport
51. Distinguish between water and air transport
52. Explain Pipe line as a mode of transport
53. Explain Multi modal modes of transportation with help of examples
54. Explain the need of having a warehouse
55. What are the economic and service benefits of having a warehouse?
56. Explain the different types of warehouses with examples
57. What are the factors affecting the design of a warehouse
58. What are the factors affecting the location of a warehouse
59. Explain the important functions of packaging
60. What are the different material handling equipment's?
61. What are the objectives of material handling?
62. Explain the key drivers of reverse logistics
63. What are the functions of inventory?
64. What are the different cost associated with inventory?
65. State the relevance of Q system of inventory management and how is it different from P system



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66. What is EMI and how different is it from JIT
67. Numerical on EOQ and reorder level
68. What is EOQ? State the assumptions of the same and the limitations
69. What are the different selective inventory control techniques?
70. State the relevance of IT on logistics
71. What is LIS and what are the key features of a good LIS system
72. Explain the significance of Logistics Audit
73. What are the internal and external performance measurement techniques?
74. Explain the procurement process with help of examples
75. What is ABC how is it different from Total cost analysis
76. Explain Mission based costing with example
77. What is the need for a logistical network analysis?
78. Explain the need of Milk Run
82. Design a vendor development form for a car manufacturing automobile company for selecting a highly specialized logistics provider as a vendor?
85. Write short note on Packaging Principles and Functions
86. What is Kanban System?
87. Explain JIT
88. Explain the Role of freight and insurance in logistics
89. Write about Distribution Network Planning Systems
95. Discuss Concept and significance of logistics.
96. Discuss Transportation Models.
97. Brief Supply Chain Operations Reference Model.
98. Explain Selection of logistical packaging system.
99. Explain Packaging principles.
100. Explain Distribution Network Planning Systems.
101. Explain Warehousing Strategies.



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PART C 10 marks

1. “Materials management plays important role in optimization of overall profitability of any firm”. Elaborate.
2. Describe the intermodal relationships in multimodal transport system
3. Raw teakwood is to be exported from Malaysia to India in bulk. Which mode of transport would you recommend? What are the advantages and disadvantages of such a mode?
4. Discuss the importance of International movements in Indian economy.
5. Develop a network route connecting at least 8 nodes with hypothetical time between various nodes and find out the shortest route
6. What are the modern logistics infrastructure that could act as a boon for organizations?
7. What are the different models of inventory used by warehouses for managing stock?
8. Discuss Logistics planning for Rural India
9. What do you understand by customer service? How can value advantage be achieved through customer service?
10. Describe the four modes of transportation, identifying the most significant characteristics of each. What is the basic concept behind Inter-modal movement?
11. Define Economic Order Quantity. What are the different costs associated with EOQ? State EOQ formula with notations.
12. What do you understand by the containment and protection function of packaging? Give examples for different categories of products.
13. What is bullwhip effect in supply chain and how it is measured? Describe the major causes of bullwhip effect in supply chain.



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14. How does IT plays a crucial role in effective and value added SCM? Give suitable examples.
15. The following are monthly costs incurred by Transport Company. Identify the basic costs of transportation. Rent of container Rs. 1,20,00,000, Rent of office Rs. 27,500, Diesel cost Rs. 80,000, Driver salary Rs. 15,000, Cleaner salary 5,000, Vehicle repairs Rs. 45,000, Loading and unloading costs Rs. 25,000
16. Indian Oil Company wish supply LP gas to its customers for cooking purpose at cheaper rate by minimizing its transport costs? What is best means of transport?
17. Examine the need for inventory management.
18. Describe the components of supply chain management.
19. Elaborate the significance of Logistics for a developing country like India