

LOGISTICS MANAGEMENT

CHAPTER 1: AN INTRODUCTION TO LOGISTICS MANAGEMENT

1.1 Introduction

Learning Objectives

1.2 Concept of logistics management

1.2.1 Definition of Logistics

1.2.2 Scope of logistics

1.2.3 Objectives of logistics management

1.2.4 Importance of logistics management

Self Assessment Questions

1.3 Types of Logistics

Self Assessment Questions

1.4 Components of Logistics Management

Self Assessment Questions

1.5 Logistics Activities in the manufacturing organization

Self Assessment Questions

1.6 Role of logistics in Economy

Self Assessment Questions

1.7 Summary

1.8 Key Words

1.9 Case Study

1.10 Exercise

1.11 Answers for Self Assessment Questions

1.12 Suggested Books and e-References

CHAPTER 2: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

2.1 Introduction

Learning Objectives

2.2 Concept of Supply chain management

2.2.1 Definition of Supply chain management

2.2.2 Objectives of supply chain management

2.2.3 Importance of supply chain management

Self Assessment Questions

2.3 Role of logistics in supply chain management

Self Assessment Questions

2.4 Difference between logistics and supply chain management

Self Assessment Questions

2.5 Summary

2.6 Key Words

2.7 Case Study

2.8 Exercise

2.9 Answers for Self Assessment Questions

2.10 Suggested Books and e-References

CHAPTER 3: TRANSPORTATION: BACKBONE OF LOGISTICS

3.1 Introduction

Learning Objectives

3.2 concept of transportation

Self Assessment Questions

3.3 Modes of transportation

3.3.1 Road Transport

3.3.2 Pipeline transport

3.3.3 Rail Transport

3.3.4 Air transport

3.3.5 Sea transport

3.3.6 Multi model transport

Self Assessment Questions

3.4 Factors influencing transportation

Self Assessment Questions

3.5 Documents used in transportation

Self Assessment Questions

3.6 Summary

3.7 Key Words

3.8 Case Study

3.9 Exercise

3.10 Answers for Self Assessment Questions

3.11 Suggested Books and e-References

CHAPTER 4: CONTAINERIZATION

4.1 Introduction

Learning Objectives

4.2 Concept of containerization

4.2.1 Need for containerization

Self Assessment Questions

4.3 Benefits of containerization

Self Assessment Questions

4.4 Types of containers

4.4.1 General purpose containers

4.4.2 Specific purpose containers

Self Assessment Questions

4.5 Disadvantages of containerization

Self Assessment Questions

4.6 Summary

4.7 Key Words

4.8 Case Study

4.9 Exercise

4.10 Answers for Self Assessment Questions

4.11 Suggested Books and e-References

CHAPTER 5: CONTAINER FREIGHT STATION

5.1 Introduction

Learning objectives

5.2 Concept of Container Freight Stations (CFS)

5.2.1 Functions of CFS

5.2.2 Benefits of CFS

Self Assessment Questions

5.3 Approval of CFS- Guidelines and Implementation

Self Assessment Questions

5.4 Role of Container Corporation of India Limited in Logistics

5.4.1 Functions of CONCOR

Self Assessment Questions

5.5 Summary

5.6 Key Words

5.7 Case Study

5.8 Exercise

5.9 Answers for Self Assessment Questions

5.10 Suggested Books and e-References

CHAPTER 6: DRY PORTS IN LOGISTICS MANAGEMENT

6.1 Introduction

Learning objectives

6.2 Concept of dry port

6.2.1 Importance of dry port

6.2.3 Types of dry ports

Self Assessment Questions

6.3 Major services provided in dry ports

Self Assessment Questions

6.4 Future prospects for Dry ports

Self Assessment Questions

6.5 Summary

6.6 Key Words

6.7 Case Study

6.8 Exercise

6.9 Answers for Self Assessment Questions

6.10 Suggested Books and e-References

CHAPTER 7: SHIPPING AND AIR TRANSPORT IN LOGISTICS

7.1 Introduction

Learning objectives

7.2 Shipping in Logistics

Self Assessment Questions

7.3 Structure of shipping

Self Assessment Questions

7.4 Marine transportation

Self Assessment Questions

7.5 Chartering practices

Self Assessment Questions

7.6 International Maritime Organisation

Self Assessment Questions

7.7 Air Transport

7.7.1 Air freight structure

Self Assessment Questions

7.8 Types of Air transportation

Self Assessment Questions

7.9 Air Cargo logistics in India

Self Assessment Questions

7.10 Summary

7.11 Key Words

7.12 Case Study

7.13 Exercise

7.14 Answers for Self Assessment Questions

7.15 Suggested Books and e-References

CHAPTER 8: PHYSICAL DISTRIBUTION AND LOGISTICS OUTSOURCING

8.1 Introduction

Learning Objectives

8.2 Physical Distribution

8.2.1 Tasks and approaches in Physical Distribution

8.2.2 Factors that affect physical distribution

8.2.3 Functions of physical distribution

Self Assessment Questions

8.3 Physical distribution management (PDM)

8.3.1 Components of PDM

Self Assessment Questions

8.4 Physical Distribution cost analysis

8.4.1 Elements of total cost in Physical Distribution

Self Assessment Questions

8.5 Systems approach to physical distribution

8.5.1 Physical Distribution system efficiency

Self Assessment Questions

8.6 Logistics Outsourcing

8.6.1 Third party logistics

8.6.2 Fourth party logistics

Self Assessment Questions

- 8.7 Summary
- 8.8 Key Words
- 8.9 Case Study
- 8.10 Exercise
- 8.11 Answers for Self Assessment Questions
- 8.12 Suggested Books and e-References

CHAPTER 9: REVERSE LOGISTICS

- 9.1 Introduction
- Learning objectives

- 9.2 Concept of Reverse Logistics
 - 9.2.1 Objectives of Reverse Logistics
 - 9.2.2 Scope of Reverse Logistics
 - Self Assessment Questions

- 9.3 Classification of Reverse Logistics Drivers
- Self Assessment Questions

- 9.4 System Design for Reverse Logistics
- Self Assessment Questions

- 9.5 Challenges of Product Returns
- Self Assessment Questions

- 9.6 Barriers to Reverse Logistics
- Self Assessment Questions

- 9.7 Summary
- 9.8 Key Words
- 9.9 Case Study
- 9.10 Exercise
- 9.11 Answers for Self Assessment Questions
- 9.12 Suggested Books and e-References

CHAPTER 10: GOVERNMENT POLICIES RELATED TO LOGISTICS

- 10.1 Introduction
- Learning objectives

- 10.2 Role of Logistic in the Economy

10.2.1 Vision and Objectives for Logistics in India

Self Assessment Questions

10.3 Thrust areas for logistics in India

Self Assessment Questions

10.4 Funding for logistics initiatives

Self Assessment Questions

10.5 Govt. Policies and regulations

10.5.1 Impact of GST on Logistic Sector

10.5.2 Logistics as Infrastructure status

Self Assessment Questions

10.6 National Logistics Policy

Self Assessment Questions

10.7 Summary

10.8 Key Words

10.9 Case Study

10.10 Exercise

10.11 Answers for Self Assessment Questions

10.12 Suggested Books and e-References

CHAPTER 11: INTERNATIONAL LOGISTICS

11.1 Introduction

Learning objectives

11.2 Concept of international logistics

11.2.1 Components of international logistics

11.2.2 Importance of international logistics

Self Assessment Questions

11.3 International commercial documents

Self Assessment Questions

11.4 International transportation

Self Assessment Questions

11.5 Export packaging

11.5.1 Ocean cargo

11.5.2 Security concerns in packaging

- 11.5.3 Hazardous cargo and refrigerated goods
- Self Assessment Questions
- 11.6 Summary
- 11.7 Key Words
- 11.8 Case Study
- 11.9 Exercise
- 11.10 Answers for Self Assessment Questions
- 11.11 Suggested Books and e-References

CHAPTER 12: INFORMATION TECHNOLOGY IN LOGISTICS MANAGEMENT

- 12.1 Introduction
- Learning objectives
- 12.2** Role of information technology in logistics
- Self Assessment Questions
- 12.3 Application of IT in logistics
- 12.3.1 Electronic Data interchange
- 12.3.2 Intranet/ Extranet
- 12.3.3 Data mining and Data warehousing
- 12.3.4 Automatic identification technology
- 12.3.5 Warehouse simulation
- Self Assessment Questions
- 12.4 e commerce logistics
- Self Assessment Questions
- 12.5 Logistics resource management
- Self Assessment Questions
- 12.6 Enterprise Resource Planning Tools in logistics
- Self Assessment Questions
- 12.7 Summary
- 12.8 Key Words
- 12.9 Case Study
- 12.10 Exercise
- 12.11 Answers for Self Assessment Questions
- 12.12 Suggested Books and e-References