



Haveri University, Haveri

B.COM (Logistics)

SYLLABUS

With Effect from 2024-25

AS PER NEP (Revised):2024

B. Com (Logistics) Internship and Apprenticeship Embedded (AEDP) Degree Programmes

Subject: B. Com (Logistics)

Sem	Type	Core subject Code	Title	Credit (L+T)	Teaching hours	IA	SEE	Total
1	Language		Language I	3	4	20	80	100
1	Language		Language – II	3	4	20	80	100
1	Theory	O 1 LGM 1 T 1	Fundamentals of Logistics	5	5	20	80	100
1	Theory	O 1 LGM 1 T 2	Materials Management	5	5	20	80	100
1	Theory	O 1 LGM 1 T 3	Warehousing & Distribution Centre Operations	5	5	20	80	100
1	Practical		Word and Presentation Skill	2	3	20	80	100
1	Compulsory		Constitutional values	3	4	20	80	100
2	Language		Language I	3	4	20	80	100
2	Language		Language – II	3	4	20	80	100
2	Theory	O 2 LGM 1 T 1	Freight Forwarding (Ocean & Air Cargo)	5	5	20	80	100
2	Theory	O 2 LGM 1 T 2	Forecasting and Inventory Management	5	5	20	80	100
2	Theory	O 2 LGM 1 T 3	Surface Transportation	5	5	20	80	100
2	Practical		Data Spread Sheet	2	3	20	80	100
2	Compulsory		Constitutional Values	2	3	20	80	100
3	Language		Language I	3	4	20	80	100
3	Language		Language – II	3	4	20	80	100
3	Theory	O 3 LGM 1 T 1	MIS for Logistics	5	5	20	80	100
3	Theory	O 3 LGM 1 T 2	Retail Logistics and E-Commerce	5	5	20	80	100
3	Theory	O 3 LGM 1 T 3	Liner Logistics	5	5	20	80	100
3	Practical		Business Communication	2	3	20	80	100
4	Language		Language I	3	4	20	80	100
4	Language		Language – II	3	4	20	80	100
4	Theory	O 4 LGM 1 T 1	Port Terminal Logistics	5	5	20	80	100
4	Theory	O 4 LGM 1 T 2	Specialisation – I	5	5	20	80	100
4	Theory	O 4 LGM 1 T 3	Specialisation – II	5	5	20	80	100
5	Theory	O 5 LGM 1 T 1	Allied course – MOOC	2	4	-	100	100
5		O 5 LGM 9 T 1	Apprenticeship – I	22	-	250	150	400
6	Theory	O 6 LGM 4 T 1	Allied course – MOOC	2	4	-	100	100
6		O 6 LGM 9 T 1	Apprenticeship – I	22	-	250	150	400
			Total	3		1040	2660	3700

Semester IV - Specialisation Modules

Course	Group A – Aviation	Group B - Ecommerce	Group C – Land Transportation
1	Introduction to Aviation Industry & Airport Operation	First Mile Operations	Principles & Practices of Tourism
2	Introduction to Air Cargo Industry	Last Mile Operations	Commercial Aspects of Transportation

Students shall choose one of the three Modules and pursue both courses listed in the chosen Module.

Semester V – Allied Courses - MOOC

No.	Course
1	Export and Import Documentation
2	Inland Waterways and Coastal Shipping

Semester VI – Allied Courses - MOOC

No	Course
1	Courier, Express and Parcel Services
2	Multi-Modal Transportation

Haveri University, Haveri
B.COM. Logistics Operations

Programme Specific Outcomes (PSO):

On completion of the 03 years Degree in -----students will be able to:

- Demonstrate, solve and understand the major concepts in all the disciplines of --.
- Understand practical skills so that they can understand and assess risks and work safely and competently in the field.
- To apply standard methodology to the solutions of problems in -----
- Provide students with the ability to plan and carry out experiments independently and assess the significance of outcomes.
- Develop in students the ability to adapt and apply methodology to the solution of unfamiliar types of problems.
- Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of-----.
- To build confidence in the candidate to be able to work on his own in institution of higher education.
- To develop an independent and responsible work ethics.

B.COM (Logistics) Semester – I

Discipline Specific Course (DSC)

Course Title: - Fundamentals of Logistics

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the Basic knowledge of Logistics in the real-life situation
- This subject will enable them to enhance their ability and professional skills in Logistics

Unit	Title: Fundamentals of Logistics	
Unit I	Introduction to Logistics: History of Logistics Need for logistics- Cost and Productivity, cost saving & Productivity improvement. Logistics Cost, reduction in logistics cost, benefits of efficient Logistics, Principles of Logistics, Technology & Logistics - Informatics, Logistics optimization. Listing of Sub-sectors of Logistics	15
Unit II	Logistics and Customer Service: Definition of Customer Service Elements of Customer Service-Phases in Customer Service-Customer Retention - Procurement and Outsourcing - Definition of Procurement/Outsourcing - Benefits of Logistics Outsourcing - Critical Issues in Logistics Outsourcing	15
Unit III	Global Logistics: Global Supply Chain - Organizing for Global Logistics-Strategic Issues in Global Logistics - Forces driving Globalization - Modes of Transportation in Global Logistics Barriers to Global Logistics - Markets and Competition - Financial Issues in Logistics Performance - Integrated Logistics - Need for Integration - Activity Centres in Integrated Logistics. Role of 3PL&4PL.	15
Unit IV	a) Warehouse: Warehouse-Meaning, Types of Warehouses Benefits of Warehousing. b) Transportation- Meaning; Types of Transportations, efficient transportation system and Benefits of efficient transportation systems. c) Courier/Express - Courier/Express-Meaning, Categorization of Shipments, Courier Guidelines, Pricing in Courier - Express Sector for international and domestic shipping. d) E-Commerce - Meaning, Brief on Fulfillment Centers, Reverse logistics in e-commerce sector, Marketing in e-commerce and future trends in e-commerce.	15
Unit V	a) EXIM: Brief on EXIM/FF &CC, Multi-modal transportation, brief on customs clearance, bulk load handling and brief on trans-shipment. b) Supply chain. c) Cold chain. d) Liquid Logistics. e) Rail Logistics	15

Recommended books:

1. Course Material Prepared by LSC
2. Fundamentals of Logistics Management (The Irwin/McGraw-Hill Series in Marketing), Douglas Lambert, James R Stock, Lisa M. Ellram, McGraw-Hill/Irwin, First Edition, 1998.
3. Vinod V. Sople (2009) Logistic Management (2nd Edn.) Pearson Limited.
4. Logistics Management for International Business: Text and Cases, Sudalaimuthu &Anthony Raj, PHI Learning, First Edition, 2009.
5. Fundamentals of Logistics Management, David Grant, Douglas M. Lambert, James R.Stock, Lisa M. Ellram, McGraw Hill Higher Education, 1997.
6. Logistics Management, Ismail Reji, Excel Book, First Edition, 2008.

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – I

Discipline Specific Course (DSC)

Course Title: - Materials Management

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- To apply the knowledge about material management in the real-life business situation
- Understand the contemporary practices followed in the field of Materials Management
- To enhance their managerial ability and professional skills

Unit	Title: Materials Management	
Unit I	Introduction: Materials Management - Evolution, Importance, Scope and Objectives- Interface with other functions. -Supply Chain Management -Objectives- Components, Trade off Customer Service & Cost. Supply Chain Analytics.	15
Unit II	Purchasing: purchasing and procurement activities under Materials management- Purchasing Methods- Purchasing and quality Assurance- Purchase Cycle – governmental purchasing practices and procedures - Negotiation & Bargaining – Vendor relations	15
Unit III	Inventory - Need of Inventory -Types of Inventories - Basic EOQ Model - EOQ with discounts – Different types of Analysis. Forecasting –methods of forecasting-Material Requirement Planning (MRP) -Input and output of MRP system -BOM Explosion -MRP II.	15
Unit IV	Quality control of material: Incoming material quality control- statistical quality control (Various control charts)- Inventory control & Cost Reduction techniques. Value Analysis & Value Engineering. Standardization – need and importance. Codification - concept, benefits. Sector, Marketing in e-commerce and future trends in e-commerce.	15
Unit V	Stores- Functions- Stores layout-documentation- Materials handling and storage systems, - Principles of Materials Handling system – Safety issues	15

Recommended books:

1. Course Material Prepared by LSC
2. Materials management: procedures, text and cases - A.K. Datta
3. Materials management: An integrated approach - P. Gopalakrishnan
4. Introduction to Materials management - J.R. Tony Arnold & Stephen N. Chapman
5. Purchasing and Materials Management - K S Menon
6. Handbook of Materials Management – Gopalakrishnan

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – I

Discipline Specific Course (DSC)

Course Title: - Warehousing & Distribution Centre Operation

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- To apply the Basic knowledge of Warehousing and distribution centre operations in the real-life situation
- To enhance their ability and professional skills
- To Understand the contemporary Practices in the Industry

Unit	Title: Warehousing & Distribution Centre Operation	
Unit I	Introduction to Warehouse (Storage and Packaging) Background - Types of Warehouses - Broad functions in a warehouse - warehouse layouts and layout related to functions. Equipment requirement in warehouse -Strategic Aspects of Warehouse.	15
Unit II	Receiving of Goods-Advanced shipment notice (ASN)-Goods Receipt note-(GRN)-Stages involved receipt of goods Visual inspection of goods unloaded- Formats for recording of goods unloaded from carriers- Procedure for Arranging of goods on dock -Put away of Goods- its activity-Put away list and its need-Put away of goods into storage locations-storage location codes and its application	15
Unit III	Procedure to prepare warehouse dispatches-Preparing Packaging List/Dispatch Note- Packaging-its importance of packing-Packing Materials-reading Labels-quality parameters in packing significance-Cross Docking Method-and its application- Automation: Pick / Put to Light-A Frame -Automated Order Selection – Pick-N- Go - Outbound Sorters - Automatic Truck Loading.	15
Unit IV	Distribution – Definition – Need for physical distribution –concept–system perspective – functions of distribution –marketing forces affecting distribution. Channels of distribution: role of marketing channels – channel functions – channel structure –designing distribution channel – choice of distribution channels	15
Unit V	Warehouse Safety Rules and Procedures: Hazardous cargo – Procedure for Identification of Hazardous Cargo - safety data sheet- Familiarization with the industry. Health, Safety & Environment - 5S Concept on shop floor. Personal protective Equipment’s (PPE) and their uses.	15

Recommended books:

1. Course Material Prepared by LSC
2. Definitive Guide to Warehousing, The: Managing the Storage and Handling of Materials and Products in the Supply Chain (Council of Supply Chain Management Professionals) 1st Edition
3. Warehouse Management: A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – II

Discipline Specific Course (DSC)

Course Title: - Freight Forwarding (Ocean & Air Cargo)

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the Basic knowledge of freight forwarding including ocean and air cargo in the real-life situation
- Students will be able to demonstrate their skill on documentation in their profession.
- This subject will enable them to enhance their ability and professional skills

Unit	Title: Freight Forwarding (Ocean & Air Cargo)	
Unit I	Introduction to EXIM, Freight forwarding and custom clearance – types of custom clearances – Importance of custom clearance – certificate of origin, ICEGATE and insurance – custom Act – Regulations pertaining to custom clearance – different modes of freight forwarding — process of freight forwarding.	15
Unit II	Operation Procedures of Freight Forwarding - The procedures for Pre-Operating Checks and Operational checks to be performed for every shipment / consignment	15
Unit III	List of basic handling of errors and the Operational errors that occur in common - Procedure for checking of shipping bill, Airway bill based on invoice and packing list received from department for Freight Forwarding. Regulations (EXIM/IATA/Countries)/COM based on permutations and combinations of weight vs volume.	15
Unit IV	Cargo handling, INCO terms and terminologies used in Cargoes - Different Types of Cargoes for transportation. Full Export and Import value of the cargo – Importer and exporter Code (IEC), The registered PAN based Business Identification number received from the Directorate General of Foreign Trade – Different type of Cargo, their quantity and value - Packaging requirement for the cargo during shipment from the shipper- Inspection procedure for the cargo while unloading - DO's and DON'T's while handling different cargo	15
Unit-V	Documentation of Freight Forwarding process as per customer timelines and requirements - Carting, unloading, Stacking, Loading; and Stuffing - Procedure for dealing with loss or damage to goods- Different P. G. A and their roles. Technical knowledge on Containers; Pallets; Palletization; Fumigation- Letters of Credit and payment Terms. Etc. computer and its application in internal systems of documentation.	15

Recommended books:

1. Course Material Prepared by LSC
2. J P Saxena, Warehouse Management and Inventory Control- Vikas Publication House Pvt Ltd, First Edition, 2003.

3. Warehouse Management: Automation and Organization of Warehouse and Order Picking Systems [With CDROM], Michael Ten Hompel, Thorsten Schmidt, Springer verlag, First Edition, 2006.
4. Management Guide to Efficient Money Saving Warehousing, Stephen Frey, Gower, 1982.
5. Swapna Pillai, Export Import Procedures & Documentation, Sahitya Bhawan Publication, 2020

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – II

Discipline Specific Course (DSC)

Course Title: - Forecasting and Inventory Management

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the Basic knowledge of forecasting and inventory management in the real-life situation
- It will enable them to enhance their ability and professional skills in inventory management

Unit	Title: Forecasting and Inventory Management	
Unit I	Forecasting: Meaning –Need -Types of forecasts –Demand Forecasting- Types of Demand Forecasting- -Importance - Demand planning v/s Forecasting-Sources of demand-Supply chain dynamics.	15
Unit II	Sales and Operations Planning- Goals and objectives of S&OP -Collaborative Planning-Types -Collaborative planning, forecasting and replenishment- Cyclic decomposition techniques. Short- term forecasting techniques- Technology Forecasting and Methodologies: Role of Technology Information Forecasting and Assessment Council (TIFAC).	15
Unit III	Inventory: Purpose of Inventory- -Types of Goods -General Management of Inventory-Multi-Echelon Inventory Systems -Use of Computers in Inventory Management- Evaluation of Performance of Materials Function–Latest trends in Inventory Management	15
Unit IV	Codification – Classification – Methodology–Requirement of codes – Coding Structure and Design –Advantages - International Codification – Right Quantity – Economic Ordering Quantity -Costs associated with Inventories- Models in logistics	15
Unit-V	Influence of production policy on inventory levels – inventories and customer service level – steps to improve inventory management – optimum inventory –Inventory management uncertainty (fixed order quantity model) - Calculation of safety stocks.	15

Recommended books:

1. Course Material Prepared by LSC
2. Sunil Chopra and Peter Meindl, Supply Chain Management Pearson Education Asia, 3rd edition, 2007
3. Chaman L Jain, “Fundamentals of Demand Planning & Forecasting”, Graceway Publishing Company 3rd edition.
4. Operations Research – Concepts, Problems & Solutions- Kapoor V.K.-Sultan Chand & Sons/2017- 978-81-8054-854-3 (TC-532)
5. Vijay Kumar Khurana, 2007, Management of Technology and Innovation, Ane books India, Chennai

Further Reading Source 5. Simchi-Levi, David, “Designing and Managing Supply Chain”, Tata McGraw Hill, 3rd Edition, 2007. 6. David E Mulcahy, “Warehouse Distribution and Operations Handbook, McGraw Hill, 6th Edition, 1993.

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – II

Discipline Specific Course (DSC)

Course Title: - Surface Transportation

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the knowledge of surface transportation in the real-life situation
- Enhancement of professional skills with regard to the field.

Unit	Title: Surface Transportation	
Unit I	Introduction to surface transportation -Need - functions of transportations in logistics - Types of transportations metrics -various land transport carriers and their Load capacities - types of temperature-controlled carriers- inter modal transport -verification of carriers and drivers -transit rules	15
Unit II	Transportation Optimisation -Documentation for transportation – GST – E Waybill Filing - Importance of consignment number -Transportation Telematics-Vehicle tracking system - GPS systems -Procedure for downloading and reading tracking data from devices -Probable reasons for delay or any issues during transit -Solutions - re-routing	15
Unit III	Organisation structure in a Transport organization- Incident management systems & Processes - hazmat goods rules-Importance of safety data sheet and labels-Procedure for Consolidation of consignments for optimal loads -Reporting discrepancies such as pilferages, loss or damage of goods in transit -Checking insurance and claims -steps to close deliveries.	15
Unit IV	Benefits of efficient transportation systems-emerging trends in transportation sector-pricing in transportation sector-govt regulations on transportation in India. Safety procedures during transit and emergency response steps - List of good practices in driving.	15
Unit-V	Customer Management-Vendor coordination for return truck loads-DG Handling – features and facilities offered by railways – innovative schemes-facilities to popularize rail logistics in India	15

Recommended books:

1. Course Material Prepared by LSC
2. J P Saxena, Warehouse Management and Inventory Control-Vikas Publication House Pvt Ltd, First Edition, 2003.
3. A Practical Guide to Logistics: An Introduction to Transport, Warehousing, Trade and Distribution -Jerry Rudd-Kogan Page publications
4. Management Guide to Efficient Money Saving Warehousing, Stephen Frey, Gower, 1982.
5. Kapoor Satish K., and KansalPurva, 'Basics of Distribution Management: A Logistical Approach', Prentice HALL of India

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – III

Discipline Specific Course (DSC)-

Course Title: - MIS for Logistics

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the Basic knowledge of MIS for Logistics in the real-life situation
- This subject will enable them to enhance their ability and professional skills in Logistics

Unit	Title: MIS for Logistics	
Unit I	Introduction- IT and management opportunities and challenges-Strategic planning and models - Information management & IT Architecture – IT Architecture & infrastructure, cloud computing and services, Virtualization and Virtual Machines.	15
Unit II	Database Technology- Data warehouse- Data Mart Technologies- Data and Text mining- Business Intelligence & Analytics, Digital and physical document management. Networks, collaboration & sustainability: Business IT networks & components, communication technologies – Sustainability and Ethical issues - Internal control Business Control and Auditing.	15
Unit III	Dissemination of technology information- and strategic planning – Technology choice and evaluation methods – Analysis of alternative technologies – Implementing technology programmes- Intellectual Capital - An introduction to Intellectual Property Right - Patent - Copyrights - Trademarks and other issues	15
Unit IV	Functional Area & Compliance systems: Management levels and functional systems Enterprise Systems and applications: Enterprise systems, Enterprise Resource Planning (ERP), Supply Chain Management (SCM), Collaborative Planning, Forecasting, and Replenishment system (CPFR), Customer Relationship Management (CRM). Performance Management: Data visualization, Mashups, and Mobile intelligence, Fleet Management Information System.	15
Unit-V	Business Process and Project Management: - Architecture & IT design, System development, Software & Applications for management (Business software tools), Support system. ERP modules -sales and Marketing, Accounting, Finance, Materials and Production management etc	15

Recommended books:

1. Course Material Prepared by LSC
2. KENNETH C. L., JANE P. L., & RAJANISH DASS (2001) Management Information System - Managing the Digital Firm. Pearson Education: New Delhi.

3. RAVI, K., & ANDREW, B. W. *Frontiers of Electronic Commerce*. Pearson Education: New Delhi.
4. KENNETH, C. L., & JANEP, L. (2001) *Essentials of MIS*. Prentice Hall India: New Delhi.
5. SADAGOPAN, S. (2003) *Management Information System*. Prentice Hall India: New Delhi.
6. EFF, O.Z. (2003) *Management Information Systems*. Vikas Publishing House Pvt. Ltd.: New Delhi.

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – III

Discipline Specific Course (DSC)

Course Title: - Retail Logistics and E-Commerce

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the basic knowledge of Retail logistics and E-commerce in the real-life situation
- This subject will enable them to enhance their ability and professional skills in Logistics and E commerce

Unit	Title: Retail Logistics and E-Commerce	
Unit I	Concept and Scope: Concepts of Retail Logistics and supply chain- Importance of Logistics in these days global Sourcing, Dimension of Logistics: Macro and Micro Aspects-Supply chain contours: Backward and forward linkages	15
Unit II	Logistics and Retail Marketing: Logistics as a Support function of Order Fulfilment, Assembling & Labelling from Multi-storage points and Delivery- Logistics as an interface of Market forecasting, Stock level management and other relevant activities till transportation, preparation for dispatch and outbound documentation and customer facilitation tracking out-bound shipments.	15
Unit III	Reverse Logistics: Basic of reverse logistics - concept, key activities, coordinating with carriers, route map optimization, collecting pickup and feedback - Types of reverse logistics –Roles and responsibilities-Best practices in reverse logistics	15
Unit IV	E-Commerce: Introduction to E-commerce logistics including delivery and pickup models and the overall logistic setup – Order Processing – Activities in order processing - Types of order processing - - Procedures for generating plans and schedules through MIS	15
Unit-V	Types of Ecommerce- B2B-B2C and intra business. Retail Ecommerce – Retailing through internet, Direct Online Sales model and its types- Business Models for ecommerce. Electronic Payment system, Electronic CRM Applications. E-Security	15

Recommended books:

1. John Fernie & Leigh Sparks,” Logistics and Retail Management: Emerging Issues and New Challenges in the Retail Supply Chain “, Kogan Page 3rd Edition,2009
2. James B. Ayers & Mary Ann Odegaard, “Retail Supply Chain Management “Taylor & Francis, 2nd edition
3. Mr. Gibson G, “Retail Management: Functional Principles & Practices”, Jaico Publishing house, 6th Edition, 2003. 4. Ray, Supply Chain Management for Retailing, TMH, 2010.
4. James B. Ayers, Retail Supply Chain Management, Auerbach Publications,2007.

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – III

Discipline Specific Course (DSC)

Course Title: - Linear Logistics

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the Basic knowledge of Liner Logistics in the real-life situation
- This subject will enable them to enhance their ability and professional skills in Logistics.

Unit	Title: Linear Logistics	Hour
Unit I	Definitions of liner trades; tramp trades; containerization- Unitization - containerization, liner operations, port organization – Vessel loading and discharging, liner trade routes, The major ports, liner service options - Liner trade – ship types – Tonnages; basic ship layout, types of container ships, Ro-Ro barge carrying vessels, The refrigerated cargo ship conventional (Break bulk) vessels future vessel developments, economy of scale, shipboard handling equipment.	15
Unit II	Cargoes & cargo equipment – Dangerous goods IMO special goods, cargo handlings other methods of lifting cargo port handling equipment, port terminals; port and terminal management; the role of ships officers - agent. Liner Shipping operations- Management and policy, ship management and operations, independent ship management, insurance, trade of commercial department, accounting, budgeting, freight collection and port disbursements agency duties.	15
Unit III	Containerization unitization and inter-modalism - Growth in world trade unitization; container dimensions, types of container other container expressions container inventory, owning, leasing meeting the demand for containers tracking the container fleet, container control, FCLS LCLS & ICDS, legal & insurance implications in the container trade.	15
Unit IV	The Bill of Lading and other Documentation - The Bill of Lading UK bill of lading Act 1855 and UK carriage of goods by sea Act 1992, The use of Bill of Lading in liner trades, Bill of Lading documentary credits, Bill of Lading clauses the printed clauses – The evidence of the contract, other forms of Bill of Lading other liner documents, Intl conventions relating to Bill of Lading, paperless trading	15
Unit-V	The Exchange of goods transfer - Transfer of funds from country to country, methods of payments in international trade who are the merchants, international contracts of sale INCO terms; Legal aspects of the liner trades - The carrier insurance the carrier’s liability for the cargo the liabilities of the agent, legal aspects of the Bill of Lading, cargo claims general average (GA), security, ISPS code.	15 hrs

Recommended books:

1. Course Material Prepared by LSC
2. Ship Operation Management, Fujita, N.H. Publisher, 1974.
3. Ship Operation Management, Bertrams Publication, 2010.
4. Handbook of Ship Calculations, Construction and Operation, Charles H. Hughes, Wexford College Press, 2008.
5. Ocean Shipping - Elements of Practical Steamship Operation, Robert Edwards Annin, Thompson Press, 2010.

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – IV

Discipline Specific Course (DSC)-

Course Title: - Port Terminal Logistics

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the Basic knowledge of Port terminals Logistics in the real-life situation
- This subject will enable them to enhance their ability and professional skills in Logistics

Unit	Title: Port Terminal Logistics	
Unit I	Difference between Major and Minor Ports - Ports in India - Natural Harbours - New Ports to be developed in India - Major Ports of the World - Largest Port in the world - Port Officials and their roles - Role of Ports - Who are Port users	15
Unit II	Container Terminals - Privatisation of Terminals - Reason for Privatisation - Major Terminal Operators in India - Terminal Operators of the world - Privatisation the need of the hour - Agreement between and existing Port Terminal and the new operator	15
Unit III	Import Cycle - Export Cycle - Positions and Places in a Terminal - Facilities in a Terminal - Container Monitoring and stacking - CFS inside a Terminal - Reasons for Congestion of a terminal - de-congesting the terminal - Window system in a terminal.	15
Unit IV	Major Port Trust Act - Port as a custodian of the cargo - Transit sheds - Cargo receivers - Wharfs and Berths - Various berths in a Port - Meaning of Berth Restrictions - Port equipment's and damage - Extra services - Berth reservation schemes	15
Unit-V	Port Tariff - Pilots and their duties - Tugs and its usage - Night navigations- Light Dues- Tariff Authorities of Major Port - Revision of rates - Port Trustees - Safety Procedures - Introduction of ISPS - Damage to Port property by ships - Compensation and confiscation of cargo to adjust dues	15

Recommended books:

1. Course Material Prepared by LSC
2. Major Port Trust Act – Government of India
3. Port Industry Statistics, American Association of Port Authorities
4. AP MOLLOR Guide book on Terminal
5. DUBAI PORT AUTHORITIES Manua

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – IV

Discipline Specific Course (DSC)

Course Title: - Specialisation Module – Group – A – Course I

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Recognize the impact of information and communication technologies, especially of the internet in business operations.
- Recognize the fundamental principles of e-business and e-commerce.
- Explain the security protocols and the issues in internet security.

Unit	Title: Introduction to Aviation Industry and Airport Operations	
Unit I	<p>History of Aviation & Key Organizations in the Aviation Industry</p> <p>a. History of Aviation through the ages-Origins in Greek Mythology- The Wright Brothers- Aviation in the era of World War 1 & 2- Commercial Aircraft Era- Modern Jetliners.</p> <p>b. Key Organizations in the Aviation Industry-</p> <ol style="list-style-type: none"> 1. ICAO- International Civil Aviation Organization, 2. IATA-International Air Transport Association 3. MoCA - Ministry of Civil Aviation, 4. DGCA - Directorate General of Civil Aviation 5. AAI- Airports Authority of India, 6. AAICLAS- Airports Authority of India Cargo Logistics Allied Services 7. AERA- Airport Economic Regulatory Authority 8. BCAS- Bureau of Civil Aviation Security 	15

Unit II	<p>Freedoms of the Air & the Airline Business</p> <p>a. Freedoms of the Air- Overview- Nine Freedoms of the Air</p> <p>b. Airline Business-</p> <p>i Business Models- Legacy, Low Cost, Charter, Regional, Cargo & Hybrid</p> <p>ii Airplane Manufacturers- Primary Manufacturers- Boeing, Airbus and others</p> <p>iii Narrow Body v/s Wide Body- Definition & Features</p> <p>iv The Airline Industry as a Business- Key Functions in the Airline Business</p> <p>v Airline Codeshares & Alliances</p> <p>a. Concept, b. Key Benefits, c. Major Airline Alliances</p> <p>vi Airline Cabin Classes- First, Business, Premium Economy & Economy</p>	15
Unit III	<p>World Geography & Airline Communication Protocol</p> <p>Traffic Conference Areas, Time Zones, Codes-Country, City, Carrier, Currency, Aircraft Registration, Airline Phonetics</p>	15
Unit IV	<p>Airport Operations</p> <p>a. Key Stakeholders, Airport Types, Airport Revenue Sources, Airport Functional Layout- Landside, Governmental Agencies at Airport, Baggage Handling, Airside Operations</p> <p>b. Airport as an Operational System- Infrastructure & Facilities, Airport Operations Control Centre (AOCC), Airport Collaborative Decision Making (ACDM), Key Information Technology Systems at Airports</p>	15
Unit-V	<p>Concessionaire Activities at Airports (terminology restricted to Indian scenario)</p> <p>a. Non-Aero Activities- Retail, Food & Beverage, Real Estate, Car Rentals Car Parking, Currency & Banking, Advertising</p> <p>b. Maintenance Repair & Overhaul (MRO)- Types of MRO Models</p> <p>c. Ground Handling</p> <p>i Concept,</p> <p>ii Self-Handling V/s Outsourced Handling</p> <p>iii IATA Standard Ground Handling Agreement</p>	15

Recommended books:

1. 1 Course Material Prepared by LSC
2. Airport Operations-Norman Ashford, Pierre Coutu, John Beasley-McGraw-Hill Education; 3rd edition (16 December 2012)
3. Principles of Airport Economics-P. S. Sengupta-Excel Books (1 December 2007)
4. Managing Airports-An International Perspective-Anne Graham-Routledge; 5th edition (June 9, 2018)
5. IATA Airport Handling Manual-40th edition-Year of Publication-2020
6. IATA Ground Operations Manual-9th edition-Year of Publication-2020

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – IV

Discipline Specific Course (DSC)

Course Title: - Specialisation Module – Group – B – Course I

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Basics of First Mile operations.
- Shipment pickup operations.
- Different types of shipment processing operations at Processing Centers.
- Layout of a Processing Centre. • Key challenges in First Mile operations and First Mile metrics.

Unit	Title: First Mile Operations	
Unit I	Role of First Mile in E-Commerce Logistics Difference between First Mile, Line Haul and Last Mile operations. -First Mile Operations-Overview. -Why is First Mile operations important in e-commerce logistics-First Mile process flow.	15
Unit II	Shipment Pickup Operations Shipment pickup process. -Pickup operations staff - roles and responsibilities. -Pickup coordination. -Safety and security of shipments during pickup-Pickup documentation.	15
Unit III	Shipment Processing Operations Primary and secondary processing. -Bagging operations. -Manual processing operations-Automated processing operations	15
Unit IV	Layout of A Processing Centre Inbound Operations-Processing Operations-Outbound Operations-Safety and security-Processing Centre staff - roles and responsibilities	15
Unit-V	First Mile Analytics and Metrics Productivity-Pickup operations metrics-Processing operations metrics-First Mile dashboard. Tools and Applications Pick up tools and applications-Processing tools and applications-Exceptions in First Mile and impact on operations Tools and communication to resolve exceptions	15

Recommended books:

1. 1 Course Material Prepared by LSC

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – IV

Discipline Specific Course (DSC)

Course Title: - Specialisation Module – Group – C – Course I

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- To develop an understanding of the nature of tourism in India
- Throw light on an initiative by Government and Railways to promote tourism.
- To understand different modes and package tours by Travel Agencies and to learn how to develop packages.
- Recent trends of tourism and Infrastructure including Hotels

Unit	Title: Principles and Practices of Tourism	
Unit I	Basics of Tourism-History & Growth-Tourism & Economy, Multiplier Effect-Principles, Components & Types of Tourism – Service Industry, Passenger Transportation. Travel Agencies	15
Unit II	Domestic & International Tourism-Tourism Policy & Initiatives of Govt – Dept of Tourism, ITDC, IRCTC Etc. - Inbound & Outbound Tourism – Segmentation, Bookings, Package Tours-Travel Agencies, Destinations & Infrastructure – Ratings	15
Unit III	Tourism- Road-Road Infrastructure – Connectivity to destinations, Quadrangle, Highways, Bharatmala Project-Road Vehicles – Cabs, Minibuses, luxury buses, Double deck sleeper. Regulations-Single point. Multiple destinations, Group booking, Cluster approach.	15
Unit IV	Tourism by Rail-Infrastructure – Rail destination. Toy trains to Hills – Shimla, Darjeeling, Ooty – Last mile connectivity-Railway Initiatives – Rail Yatrik Niwas at stations, Budget hotels. Online bookings, Tourist lounges. Bookings – Group ticket, package tours, circular journey ticket etc.-Tourist trains – Palace on Wheels, Maharaja, Deccan Odyssey, Rail package tours, Coach Bookings itinerary.	15
Unit-V	Trends in Tourism-Sustainable tourism – Ecological & environmental issues-Heritage, Religious, Medical, Leisure, Conferences Tourism, Destination weddings-New destinations- Statue of Unity, Akshardham, Winter tourism etc.	15

Recommended books:

1 Course Material Prepared by LSC

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – IV

Discipline Specific Course (DSC)

Course Title: - Specialisation Module – Group – A – Course II

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Students will be able to apply the Basic knowledge of Air Cargo Industry in the real-life situation
- This subject will enable them to enhance their ability and professional skills in the Air Cargo Industry

Unit	Title: Introduction to Air Cargo Industry	
Unit I	History of Air Cargo & Multi Modal forms of Transport a. History of Air Cargo & Mail, Air Freight, Air Express, Overnight Air Express & Air Mail b. Other Multi Modal forms of Transport- Rail, Sea & Surface Transport- Key Concepts	15
Unit II	Key Organizations Facilitating Air Cargo International Air Transport Association (IATA), International Civil Aviation Organization (ICAO), International Federation of Freight Forwarders Association (FIATA), The International Air Cargo Association (TIACA)	15
Unit III	Air Cargo Business Models Freighters, Charters, Integrators, Combination Carriers, Systems, Couriers, E-commerce, Postal mail a. Key Concepts- Brief Introduction to the Business Models b. Impact of various Business Models in relation to geography, size and scope	15
Unit IV	Key Stakeholders & Key Terminologies a. Key Stakeholders- Airports, Airlines (Direct), Airlines through General Sales Agents (GSA) or General Sales & Service Agents (GSSA), Shippers, Freight Forwarders, Custom Brokers, Consolidators, Trucking b. Key Terminologies & Abbreviations	15
Unit-V	Training & Development in Air Cargo Industry a. Importance of Training in the Aviation & Cargo Industry b. Areas of Training in the Air Cargo Industry c. Key Organizations facilitating Training & Development in the Aviation & Air Cargo Industry.	15

Recommended books:

1. Course Material Prepared by LSC
2. Air Cargo Management- Air Freight and The Global Supply Chain- Michael Sales- Routledge (2016)
3. Air Cargo and Logistics- Classics and Contemporary practice by Rico Merket and Jackie Walters- Academic Publishers (01 June, 2019)
4. Moving Boxes by Air - The Economics of International Air Cargo by Peter S. Morrell and Thomas Klein - Routledge; 2 edition (19 October 2018)

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – IV

Discipline Specific Course (DSC)

Course Title: - Specialisation Module – Group – B – Course II

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOME:

The students will be able to:

- Understand the basics concept of Last mile logistics in E-Commerce
- Understand the processes involved in Last mile logistics
- Understand various metrics and customer services processes to be followed in last mile logistics • Explain the prospects of last mile logistic

Unit	Title: Last Mile Operations	
Unit I	Introduction 1.1 What is Last Mile in Ecommerce? 1.2 Importance of Last Mile in the supply chain 1.3 Last Mile Delivery challenges for ecommerce 1.4 Trends in Last Mile delivery 1.5 Route optimization in Last Mile operations	15
Unit II	Last Mile Processes 2.1 Delivery Process & its challenges 2.2 Reverse pickup process in Last mile operations 2.3 Challenges in Reverse Pickup process 2.4 Tools and applications in Last Mile operations 2.5 Considerations for effective last mile logistics strategy	15
Unit III	Metrics 3.1 Metrics to measure in last file 3.2 Automation and technology driving metrics.	15
Unit IV	Customer service 4.1 Customer service and its importance 4.2 Good and bad customer service (Dos and Don'ts of customer service) 4.3 Relationship between metrics and customer service.	15
Unit-V	Prospects of Last Mile Logistics- 5Hrs 5.1 Innovations in Last Mile Logistics 5.2 Technology Trends in Last Mile Delivery 5.3 Last Mile Delivery Market Future Prospects	15

Recommended books:

1. Course Material Prepared by LSC

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – IV

Discipline Specific Course (DSC)

Course Title: - Specialisation Module – Group – C – Course II
Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	5	4	75	3	20	80	100

COURSE OUTCOMES:

- Develop a clear perspective of various commercial aspects in transportation
- Distinguish between the Operational feasibility of a work and its commercial viability
- Know the issues involved in booking and reservation of passengers,
- Know the various types of costs involved and understand the concept of cost-of-service vs value of service

Unit	Title: Commercial Aspects of Transportation	
Unit I	Commercial Aspects in Transportation – A Perspective-Role and importance of Commercial Aspects, relative strengths of rail vs road-Concept of commercial viability vis a vis operational feasibility-Issues/ functions included in the commercial aspects, organisational set up to handle these	15
Unit II	Commercial Aspects involving Passenger transportation –Passenger Services on Indian Railways; Booking and Reservation of passengers, Various class of services, types of tickets, concessions etc.-Passengers Services in Road Sector, A state subject- differences from State to state-Supplementary and related services such luggage, parcel, refunds, catering etc.	15
Unit III	Commercial Aspects involving Goods / Freight transportation–Different components of freight traffic, Booking and delivery of freight traffic on Railways, Demurrage and Wharfage, sidings-Booking and delivery of goods in roadways, agencies involved and their role-Claims and liabilities, Organisational set-up and procedure for Claims’ compensation,	15
Unit IV	Pricing of Transport-Basic consideration in pricing; Different type of costs involved in computing price, Relativity index of passenger fares in Indian Railways; surcharges and discounts-Principles of classification and Rate fixation and routing of traffic-Cost of service vs value of service, Cross subsidisation etc.	15
Unit-V	Marketing Strategies for Commercial growth –Need for marketing, Rail vs Road: Complementary and not competitive role, High profit yielding commodities-Incentive schemes, IT-enabled user-friendly solutions for Booking, payment, tracking consignments and trains, Passenger movement – PRS, etc.-Future trends: technology induced improvements in various aspects of commercial wo	15

Recommended books:

1. Course Material Prepared by LSC

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – V

Discipline Specific Course (DSC)

Course Title: - Allied Courses - MOOC

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	2	4	60	3	-	100	100

COURSE OUTCOMES:

- Recognize the impact of information and communication technologies, especially of the internet in business operations.
- Recognize the fundamental principles of eBusiness and eCommerce.
- Explain the security protocols and the issues in internet security

Unit	Title: Export and Import Documentation	
Unit I	Introduction to Export and Import 12 Hrs. Basics of Exports - Classification of goods - Preparation for Exports - Methods of Exporting - Export Marketing Organizations - Functions - Registration formalities IEC Number - Procedure of obtaining IEC Number - RCMC (Registration Cum Membership Certificate) –Export Credit Guarantee Council (ECGC) - Application for import and export of restricted items.	12
Unit II	Documentation Framework and Contracts 15 Hrs. Aligned Documentation System: Commercial Documents - Auxiliary Commercial Documents - Regulatory Documents - Documents related to goods - Documents related to Shipment - Documents related to Payments - Documents related to Inspection - Documents related to Excisable Goods - Types of Contracts - Export Contracts.	12
Unit III	Payments and Finance 15 Hrs. Factors - Methods of receiving Payment - Instruments of Payments-Letter of Credit Pre-shipment Finance - Post-shipment Finance - Post-shipment Credit in Foreign Currency - Negotiation of documents with bank - CENVAT - Duty Draw back	12
Unit IV	Quality Control and Clearance of Cargo 15Hrs Objective of Quality Control - Methods-Procedure for Pre-shipment Inspection - Role of Clearing and Forwarding Agents – Role of Inspection Agents-Clearance of Cargo Central Excise Clearance Procedure - Central Excise Clearance Option - Shipment of Export Cargo.	12
Unit-V	Customs Clearance, Risk and Insurance Policy 15 Hrs. Customs Clearance of Export Cargo - Customs Clearance of Import Cargo - Risk: Types- Types of cover issued by ECGC - Cargo Insurance. Processing of an export order - Major laws governing export contract.	12

Recommended books:

1. RAMA, GOPAL C. (2008) Export Import Procedures Documentation and Logistics. New Age International Publishers: New Delhi.
2. KHUSHPAT, S. J. (2013) Export Import Procedures and Documentation. Himalaya Publishing House: New Delhi.
3. PAWAN, KUMAR (2001) Export of India’s Major Products Problems and Prospects. New Century Publications:

New Delhi.

4. KAPOOR, D. C. (2002) Export Management. Vikas Publications: New Delhi.
5. CHERUNILAM, F. (2004) International Trade and Export Management. Himalaya Publications: New Delhi.

Websites:

1. www.cbec.gov.in/customs/cs-act/cs-act-idx.htm (Central Board of Excise and Customs- Customs Act, 1962, Customs Tariff Act – 1975, Other Acts)
2. www.epckkenya.org/(Export Promotion Council)
3. commerce.nic.in/MOC/index.asp (Ministry of Commerce and Industry)
4. www.dgft.gov.in/(Directorate General of Foreign Trade)

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – V

Discipline Specific Course (DSC)-

Course Title: - Allied Courses - MOOC

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	2	4	60	3	-	100	100

COURSE OUTCOMES:

- Recognize the impact of Inland water ways and coastal shipping
- Recognize the importance and future development of Indian water ways.

Unit	Title: Inland Waterways & Coastal Shipping	
Unit I	Basics of shipping-Introduction for shipping - Types of ship-sizes of ship – Basic terminology of ships- Sea transport and its importance- Roll of ports in sea transport - Coastal shipping and its importance.	12
Unit II	Inland waterways: Introduction –Scope –Sources (lakes, Rivers, Canals, Back water, creeks, water courses inlets and bays)-Working principles -Impact - Inland waterways in India: locations	12
Unit III	Roll and importance of inland waterways: Infrastructure facility required - Roll and importance of inland water ways in transportation- Transportation through creeks	12
Unit IV	Inland waterways: Road connectivity – Availability of cargo (scarcity)-Navigation (night navigation)- Draft restriction	12
Unit-V	Inland waterways in other countries: Bangladesh – China - Vietnam - Europe Inland waterways in India: Network in India –upcoming inland waterways – Inland waterways authority – Government policies on inland waterways – National waterways Act	12

Recommended books:

1. Course Material Prepared by LSC
2. Inland Waterway Transport: Challenges and prospects (Routledge Studies in Transport Analysis) Hardcover – Import, 12 Jul 2016 by Bart Wiegman (Editor), Rob Konings (Editor)
3. Inland waterways Transportation (IWT) in India – Machiraju presentation Pvt ltd.

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – V
Discipline Specific Course (DSC)-

Course Title: - Apprenticeship – I

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Apprenticeship	Theory	22	-	-	-	250	150	400

B.COM (Logistics) Semester – VI

Discipline Specific Course (DSC)

Course Title: - Allied Courses - MOOC

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	2	4	60	3	-	100	100

COURSE OUTCOMES:

- Students will be able to apply the Basic knowledge of Courier and Express in the real-life situation
- This subject will enable them to enhance their ability and professional skills

Unit	Title: Courier, Express & Parcel Services	
Unit I	Types of consignments for shipment - Information on labels and handling instructions - consignee locations consignments and destinations- consignment shipment operations – (loading, handling, scheduling and documentation) - Special instructions for safe handling of fragile consignments	12
Unit II	Types of consignments for shipment - Information on labels and handling instructions - consignee locations consignments and destinations- consignment shipment operations – (loading, handling, scheduling and documentation) - Special instructions for safe handling of fragile consignments	12
Unit III	Hub-Spoke Operations & Inbound and Outbound activities: Introduction – Hub spoke activities inbound and outbound activities. Types of consignments coming in the hub-spoke - layout of the hub-spoke - Areas to receive, sort and inspect - Documentation activities in hub-spoke - Inspection process of inbound sorted and outbound consignments	12
Unit IV	Tracking and tracing; AWB –essential time of arrival delivery - Last mile delivery – LMD - First mile delivery	12
Unit-V	Customer satisfaction- quality, delivery time, costs (shortest cost, loss prevention) - Weighment rate, cube scan –diversions/LBW/Volumetric density of cargo	12

Recommended books:

1. Course Material Prepared by LSC
2. Logistics and Supply chain management – Martin Christopher
3. Basics of Distribution Management; A Logistical Approach Prentice HALL of India - Kapoor Sathish
4. Ware house management and Inventory control - Vikas Publication House

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – VI
Discipline Specific Course (DSC)

Course Title: - Allied Courses - MOOC

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Major	Theory	2	4	60	3	-	100	100

COURSE OUTCOMES:

After completing this Course, the student will have the following learnings:

- The importance and role played by Multi-modal transport in the efficient and cost-effective movement of cargo
- Types of multi-modal movement and the role of containerisation for security and speed
- The provisions and procedures for Exim trade and INCOTERMS • Indian Government's policies and vision R for development of seamless multi-modal transport.

Unit	Title: Multi Modal Transportation	
Unit I	Transportation Systems & Multi modal Transport –Concept of Multi modal & Intermodal Transport – introduction to Multi modal transport, the difference between Multi modal and Inter modal transport-Type of transport Modes – detail and characteristics of air, road, rail, water, pipelines, package carriers-Need, Aim and Key Issues of Multi modal transport.	12
Unit II	How to organise Multi modal transport-Role of Containerisation in MMT- history, utility, types, ease of handling, cost saving-Types of Multi modal transport – combined container transport, rolling Road & forwarding of trailers, RORO & LASH transportation-National Multi modal Transport Committee (NMTC) and Logistics Policy of India – key features and importance	12
Unit III	Multi modal Transportation Act & Procedures-MMTG Act of 1993-Custom procedures for Export & Import - Bill of Lading – Hague Rules, Visby Rules, Hamburg Rules, Voyage by Sea-INCOTERMS – meaning, explanation, list, and types	12
Unit IV	MMT and Indian Railways-PFT Policy – maintenance of rolling stock, cargo handling, customs, etc-Warehousing Policy – stuffing, de-stuffing, stacking, use of MHE, etc-Layout and design of Multi modal Logistics parks	12
Unit-V	Multi modal transport & Practice Today-India's growing conflict between Trade & transport – issues, policy, problems & pricing-Integrated Transport – Bharatmala, Sagarmala, IWT, DFC, the concept of ICP (International Check Posts-Scenario in India and neighbouring countries with a case study	12

Recommended books:

1 Course Material Prepared by LSC

Formative Assessment for Theory	
Assessment Occasion/ type	Marks
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
Total	20 Marks
<i>Formative Assessment as per guidelines.</i>	

B.COM (Logistics) Semester – VI
Discipline Specific Course (DSC)-

Course Title: - Apprenticeship – I

Course Code: -----

Type of Course	Theory / Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
Apprenticeship	Theory	22	-	-	-	250	150	400

QUESTION PAPER PATTERN

Question Paper Pattern for 80 marks	
SECTION – A	
Q 1 TO 10: 10 questions to be given – all compulsory questions- Each question to carry 2 marks	20 marks
SECTION – B	
Q 11 to 15 – 5 questions to be given and 3 to be answered. Each question to carry 5 marks. In case of problem oriented courses, Section - B to include two theory and 3 problems)	15 marks
SECTION – C	
Q 16 to 20 – 5 questions to be given and 3 to be answered. Each question to carry 15 marks. In case of problem oriented courses, Section - C to include two theory and 3 problems)	45 marks
	80 marks

Question Paper Pattern for 40 marks	
SECTION – A	
Q 1 TO 5: 5 questions to be given – all compulsory questions- Each question to carry 2 marks	10 marks
SECTION – B	
Q 6 to 8 – 3 questions to be given and 2 to be answered. Each question to carry 5 marks. In case of problem oriented courses, Section - B to include one theory and 2 problems)	10 marks
SECTION – C	
Q 9 to 11 – 3 questions to be given and 2 to be answered. Each question to carry 10 marks. In case of problem oriented courses, Section - C to include one theory and 2 problems)	20 marks
	40 marks