



# VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY

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## VSKUB SEP Proposed Curricular and Credits Structure under Choice Based Credit System [CBCS] of Scheme for the Three Years B.B.A (Logistics and Supply Chain Management) Undergraduate Programme with effect from 2025-26 (Mono Specialization)

Semester	Major 1 (A)	Major 2 (B)	Major 3 (C)	Major 4 (D)	Major 5 (E)	Language	Compulsory / Skill Courses	Total Credits
1	Principles and Practices of Management (4) (L:T:P = 4:0:0)	Fundamentals of Business Accounting (4) (L:T:P = 4:0:0)	Fundamentals of Logistics and Supply Chain Management (4) (L:T:P = 4:0:0)	Communication Skills for Managers (4) (L:T:P = 4:0:0)	-	L1 (3) (L:T:P = 3:0:0) L2 (3) (L:T:P = 3:0:0)	Environmental Studies (2) (L:T:P = 2:0:0)	25
2	Financial Management (4) (L:T:P = 4:0:0)	Human Resource Management (4) (L:T:P = 4:0:0)	Marketing Management (4) (L:T:P = 4:0:0)	Operations Management (4) (L:T:P = 4:0:0)	-	L1(3) (L:T:P = 3:0:0) L2 (3) (L:T:P = 3:0:0)	Constitutional Values (2) (L:T:P = 2:0:0)	25
3	Procurement and Materials Management (4) (L:T:P = 4:0:0)	MIS for Logistics and Supply Chain Management (4) (L:T:P = 4:0:0)	Statistics for Business Decisions (4) (L:T:P = 4:0:0)	Warehousing & Distribution Centre Operations (4) (L:T:P = 4:0:0)	-	L1 (3) (L:T:P = 3:0:0) L2 (3) (L:T:P = 3:0:0)	IT for Business (2) (L:T:P = 1:0:2)	25
4	Forecasting and Inventory Management (4) (L:T:P = 4:0:0)	Freight Forwarding (4) (L:T:P = 4:0:0)	Supply Chain Analytics (4) (L:T:P = 4:0:0)	Multimodal transportation (4) (L:T:P = 4:0:0)	-	L1 (3) (L:T:P = 3:0:0) L2 (3) (L:T:P = 3:0:0)	Aptitude Skills for Managers (2) (L:T:P = 1:0:2)	25
5	Business Research Methods (4) (L:T:P = 4:0:0)	Retail Logistics and E- Commerce (4) (L:T:P = 4:0:0)	Surface Transportation (4) (L:T:P = 4:0:0)	Export and Import Documentation (4) (L:T:P = 4:0:0)	Port Terminal Logistics (4) (L:T:P = 4:0:0)	-	Internship (L:T:P = 2:0:4)	28
6	Liner Logistics (4) (L:T:P = 4:0:0)	Courier, express and parcel services (4) (L:T:P = 4:0:0)	Global Logistics and Shipping Business (4) (L:T:P = 4:0:0)	Inland Waterways and Coastal shipping (4) (L:T:P = 4:0:0)	In plant logistics (4) (L:T:P = 4:0:0)	-	Project (4) (L:T:F = 2:0:4)	28
<b>Total</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>8</b>	<b>25</b>	<b>16</b>	<b>144</b>

**Note:**

1. The curriculum for all Courses except L1, L2, Constitutional Values, Environmental values and Elementary Research Methodology will be set by the respective Board of Studies (A/B/C). Here for example A – History, B – Economics and C – Political Science.
2. The Curriculum for Languages L1 & L2 will be set by respective Board of Studies (BoS) (Example Kannada/ English/ Hindi/ Sanskrit/ Telugu etc.).
3. The curriculum for Constitutional values will be set by Board of Studies (BoS) in Political Science.
4. The curriculum for Environmental Studies will be set by special/common Board of Studies (BoS) set up by the University.
5. The curriculum for Elementary Research Methodology will be set by special/common Board of Studies (BoS - Faculty of Social Science & Arts/Languages ) set up by the University.

**VSKUB SEP Proposed Curricular and Credits Structure under Choice Based Credit System [CBCS] of Scheme for the Three Years B.B.A (Logistics and Supply Chain Management) Undergraduate Programme with effect from 2025-26**

**Structure with Course Mono Specialization Course  
1<sup>st</sup> Semester**

Course code	Title of the Course	Marks			Teaching hours/week			Credit	Duration of SEE (Hrs)
		IA	SEE	Total	L	T	P		
25MJBBALSCM1L1	Principles and Practices of Management	20	80	100	4	0	0	4	03
25MJBBALSCM1L2	Fundamentals of Business Accounting	20	80	100	4	0	0	4	03
25MJBBALSCM1L3	Fundamentals of Logistics and Supply Chain Management	20	80	100	4	0	0	4	03
25MJBBALSCM1L4	Communication Skills for Managers	20	80	100	4	0	0	4	03
25LGXX1L	Language 1	20	80	100	3	0	0	3	03
25LGXX1L	Language 2	20	80	100	3	0	0	3	03
25ESCM1L	Environmental Studies	10	40	50	2	0	0	2	1.5*
<b>TOTAL</b>		<b>130</b>	<b>520</b>	<b>650</b>	<b>25</b>	<b>00</b>	<b>00</b>	<b>25</b>	<b>-</b>

**\* 40 Multiple Choice Questions for 40 Marks (OMR Based)**

**Course Code Description:**

**25MJAA1L:**

25 – Year of Curriculum implementation / Revision

LSCM – Logistics and Supply Chain Management

MJ – Major, LG – Language , CV – Constitutional Values

AA/BB/CC – Course Specific (Example for History AA – HS, Economics AA – EC, Pol. Science – PS etc.)

XX – Language Course code (For Example Kannada – KA, English – EN etc)

CM – Common Course

1 – Semester Number

L – Lecture, T – Tutorial,

**VSKUB SEP Proposed Curricular and Credits Structure under Choice Based Credit System [CBCS] of Scheme for the Three Years B.B.A (Logistics and Supply Chain Management) Undergraduate Programme with effect from 2025-26**

**Structure with Course Mono Specialization Course  
2<sup>nd</sup> Semester**

Course code	Title of the Course	Marks			Teaching hours/week			Credit	Duration of SEE (Hrs)
		IA	SEE	Total	L	T	P		
25MJBBALSCM2L1	Financial Management	20	80	100	4	0	0	4	03
25MJBBALSCM2L2	Human Resource Management	20	80	100	4	0	0	4	03
25MJBBALSCM2L3	Marketing Management	20	80	100	4	0	0	4	03
25MJBBALSCM2L 4	Operations Management	20	80	100	4	0	0	4	03
25LGXX2L	Language 1	20	80	100	3	0	0	3	03
25LGXX2L	Language 2	20	80	100	3	0	0	3	03
25CVCM2L	Constitutional Values	10	40	50	2	0	0	2	1.5*
<b>TOTAL</b>		<b>130</b>	<b>520</b>	<b>650</b>	<b>25</b>	<b>00</b>	<b>00</b>	<b>25</b>	<b>-</b>

**\* 40 Multiple Choice Questions for 40 Marks (OMR Based)**

**Course Code Description:**

**25MJAA2L:**

25 – Year of Curriculum implementation / Revision

LSCM – Logistics and Supply Chain Management

MJ – Major, LG – Language , ES – Environmental Science

AA/BB/CC – Course Specific (Example for History AA – HS, Economics AA – EC, Pol. Science – PS etc.)

XX – Language Course code (For Example Kannada – KA, English – EN etc)

CM – Common Course

2 – Semester Number

L – Lecture, T – Tutorial,

**VSKUB SEP Proposed Curricular and Credits Structure under Choice Based Credit System [CBCS] of Scheme for the Three Years B.B.A (Logistics and Supply Chain Management) Undergraduate Programme with effect from 2025-26**

**Structure with Course Mono Specialization Course  
3<sup>rd</sup> Semester**

Course code	Title of the Course	Marks			Teaching hours/week			Credit	Duration of SEE (Hrs)
		IA	SEE	Total	L	T	P		
25MJBBALSCM3L1	Procurement and Materials Management	20	80	100	4	0	0	4	03
25MJBBALSCM3L2	MIS for Logistics and Supply Chain Management	20	80	100	4	0	0	4	03
25MJBBALSCM3L3	Statistics for Business Decisions	20	80	100	4	0	0	4	03
25MJBBALSCM3L4	Warehousing & Distribution Centre Operations	20	80	100	4	0	0	4	03
25LGXX3L	Language 1	20	80	100	3	0	0	3	03
25LGXX3L	Language 2	20	80	100	3	0	0	3	03
25SCBBALSCM3L1	IT for Business	10	40	50	1	0	2	2	1.5*
<b>TOTAL</b>		<b>130</b>	<b>520</b>	<b>650</b>	<b>22</b>	<b>00</b>	<b>02</b>	<b>25</b>	<b>-</b>

**\* 40 Multiple Choice Questions for 40 Marks (OMR Based)**

**Course Code Description:**

**25MJAA3L:**

25 – Year of Curriculum implementation / Revision

LSCM – Logistics and Supply Chain Management

MJ – Major, LG – Language , ES – Environmental Science

AA/BB/CC – Course Specific (Example for History AA – HS, Economics AA – EC, Pol. Science – PS etc.)

XX – Language Course code (For Example Kannada – KA, English – EN etc)

CM – Common Course

3 – Semester Number

L – Lecture, T – Tutorial, E - Elective

**VSKUB SEP Proposed Curricular and Credits Structure under Choice Based Credit System [CBCS] of Scheme for the Three Years B.B.A (Logistics and Supply Chain Management) Undergraduate Programme with effect from 2025-26**

**Structure with Course Mono Specialization Course  
4<sup>th</sup> Semester**

Course code	Title of the Course	Marks			Teaching hours/week			Credit	Duration of SEE (Hrs)
		IA	SEE	Total	L	T	P		
25MJBBALSCM4L1	Forecasting and Inventory Management	20	80	100	4	0	0	4	03
25MJBBALSCM4L2	Freight Forwarding	20	80	100	4	0	0	4	03
25MJBBALSCM4L3	Supply Chain Analytics	20	80	100	4	0	0	4	03
25MJBBALSCML4	Multimodal transportation	20	80	100	4	0	0	4	03
25LGXX4L	Language 1	20	80	100	3	0	0	3	03
25LGXX4L	Language 2	20	80	100	3	0	0	3	03
25SCBBALSCM4L2	Aptitude Skills for Managers	10	40	50	1	0	2	2	1.5*
<b>TOTAL</b>		<b>130</b>	<b>520</b>	<b>650</b>	<b>22</b>	<b>00</b>	<b>02</b>	<b>25</b>	<b>-</b>

**\* 40 Multiple Choice Questions for 40 Marks (OMR Based)**

**Course Code Description:**

**25MJAA4L:**

25 – Year of Curriculum implementation / Revision

LSCM – Logistics and Supply Chain Management

MJ – Major, LG – Language , ES – Environmental Science

AA/BB/CC – Course Specific (Example for History AA – HS, Economics AA – EC, Pol. Science – PS etc.)

XX – Language Course code (For Example Kannada – KA, English – EN etc)

CM – Common Course

4 – Semester Number

L – Lecture, T – Tutorial, E – Elective, S - Skill

**VSKUB SEP Proposed Curricular and Credits Structure under Choice Based Credit System [CBCS] of Scheme for the Three Years B.B.A (Logistics and Supply Chain Management) Undergraduate Programme with effect from 2025-26**

**Structure with Course Mono Specialization Course  
5<sup>th</sup> Semester**

Course code	Title of the Course	Marks			Teaching hours/week			Credit	Duration of SEE (Hrs)
		IA	SEE	Total	L	T	P		
25MJBBALSCM5L1	Business Research Methods	20	80	100	4	0	0	4	03
25MJBBALSCM5L2	Retail Logistics and E- Commerce	20	80	100	4	0	0	4	03
25MJBBALSCM5L3	Surface Transportation	20	80	100	4	0	0	4	03
25MJBBALSCM5L4	Export and Import Documentation	20	80	100	4	0	0	4	03
25MJBBALSCM5L5	Port Terminal Logistics	20	80	100	4	0	0	4	03
25INBBALSCM5L/P	Internship	20	80	100	2	0	4	4	03**
<b>TOTAL</b>		<b>120</b>	<b>480</b>	<b>600</b>	<b>22</b>	<b>00</b>	<b>04</b>	<b>25</b>	<b>-</b>

\*\* Internally conducted based on internship report and presentation. The evaluation scheme will be provided by respective BoS.

**Course Code Description:**

**25MJAA5AL:**

25 – Year of Curriculum implementation / Revision

LSCM – Logistics and Supply Chain Management

MJ – Major, LG – Language , ES – Environmental Science

AA/BB/CC – Course Specific (Example for History AA – HS, Economics AA – EC, Pol. Science – PS etc.)

5 – Semester Number, CM – Common Course, BA – Bachelor of Arts

L – Lecture, S - Skill

**VSKUB SEP Proposed Curricular and Credits Structure under Choice Based Credit System [CBCS] of Scheme for the Three Years B.B.A (Logistics and Supply Chain Management) Undergraduate Programme with effect from 2025-26**

**Structure with Course Mono Specialization Course  
6<sup>th</sup> Semester**

Course code	Title of the Course	Marks			Teaching hours/week			Credit	Duration of SEE (Hrs)
		IA	SEE	Total	L	T	F		
25MJBBALSCM6L1	Liner Logistics	20	80	100	4	0	0	4	03
25MJBBALSCM6L2	Courier, Express and Parcel Services	20	80	100	4	0	0	4	03
25MJBBALSCM6L3	Global Logistics and Shipping Business	20	80	100	4	0	0	4	03
25MJBBALSCM6L4	Inland Waterways and Coastal shipping	20	80	100	4	0	0	4	03
25MJBBALSCM6L5	In Plant Logistics	20	80	100	4	0	0	4	03
25PBBALSCM6L/P	Project	20	80	100	2	0	4	4	03**
<b>TOTAL</b>		<b>120</b>	<b>480</b>	<b>600</b>	<b>22</b>	<b>00</b>	<b>04</b>	<b>25</b>	<b>-</b>

\*\* Internally conducted based on project report and presentation. The evaluation scheme will be provided by respective BoS.

**Course Code Description:**

**25MJAA6AL:**

25 – Year of Curriculum implementation / Revision

LSCM – Logistics and Supply Chain Management

MJ – Major, LG – Language , ES – Environmental Science

AA/BB/CC – Course Specific (Example for History AA – HS, Economics AA – EC, Pol. Science – PS etc.)

6 – Semester Number, CM – Common Course, BA – Bachelor of Arts

L – Lecture, S – Skill, R – Research Project, F – Field Work



## **Concept Note, Abbreviation Explanation and Coding:**

### **Concept Note:**

1. CBCS is a mode of learning in higher education which facilitates a student to have some freedom in selecting his/her own choices, across various disciplines for completing a UG/PG program.
2. A credit is a unit of study of a fixed duration. For the purpose of computation of workload as per UGC norms the following is mechanism be adopted in the university:  
One credit (01) = One Theory Lecture (L) period of one (1) hour;  
One credit (01) = One Tutorial (T) period of one (1) hour;  
One credit (01) = One practical (P) period of two (2) hours.  
One Credit (01) = One Field Study (F) period of one (1) hour
3. Students shall select any two languages during 1-IV semesters.
4. Student shall select only one Skill course from any one of the major courses opted in 3<sup>rd</sup> and 4<sup>th</sup> semesters.
5. Student shall select Elective course from any one of the major courses opted one in each in 5<sup>th</sup> and 6<sup>th</sup> semesters.
6. Elementary Research Methodology Course is common for all B.Sc. students.
7. Student shall perform Elementary Research Project in any one of the major courses opted in 6<sup>th</sup> semester.

### **Abbreviation Explanations:**

1. SEC: Skill Enhancement Course;
2. L1: Language One
3. L2: Language One
4. L= Lecture; T= Tutorial; P=Practical; S= Skill; E = Elective; R = Research Project, F – Field Work
5. MJ – Major
6. LG – Language
7. RM – Research Methodology
8. CM – Common Course

### **NOTE:**

1. FOR A THEORY COURSE WITH 5 CREDITS (4 Hours of Teaching and 1 Hour of Tutorial) SYLLABUS HAS TO SET FOR TOTAL OF 52-56 HOURS.
2. FOR A THEORY COURSE WITH 4 CREDITS, SYLLABUS HAS TO SET FOR TOTAL OF 52-56 HOURS.
3. FOR A THEORY COURSE WITH 3 CREDITS, SYLLABUS HAS TO SET FOR TOTAL OF 40-42 HOURS.
4. FOR A THEORY COURSE WITH 2 CREDITS, SYLLABUS HAS TO SET FOR TOTAL OF 26-28 HOURS.
5. FOR A LAB COURSE/RESEARCH PROJECT WITH 2 CREDITS, SYLLABUS HAS TO SET FOR TOTAL OF 52-56 HOURS.
6. FOR A SKILL COURSE WITH 1 HOUR THEORY AND 1 TUTORIAL WITH 2 CREDITS, SYLLABUS HAS TO BE SET FOR 26-28 HOURS.

**Department Name:**

**Semester - I**

<b>Course Title:</b>	<b>Course Code:</b>
<b>Total Contact Hours:</b>	<b>No. of Credits:</b>
<b>L:T:P</b>	
<b>Internal Assessment Marks:</b>	<b>Duration of SEE: Hours</b>
<b>Semester End Exam Marks:</b>	

**Course Outcomes (COs):**

At the end of the course, students will be able to:

- 1.
- 2.
- 3.
- ...

<b>Unit</b>	<b>Description</b>	<b>Hours</b>
<b>1</b>		
<b>2</b>		
<b>3</b>		
<b>4</b>		
<b>5</b>		

**References:**

- 1.
- 2.
- 3.
- ....

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PROVIDE QUESTION PAPER PATTERNS FOR ALL THEORY PAPERS AND EVALUATION METHODS FOR RESEARCH PROJECT SEMESTER END EXAMINATION.

QUESTION PAPER PATTERNS FOR ALL SKILL PAPERS IS 40 MULTIPLE CHOICE QUESTIONS. HOWEVER, IT NEEDS TO BE APPROVED IN RESPECTIVE BOS

## Bachelor of Business Administration (Logistics and Supply Chain Management)

### Semester - I

<b>Course Title:</b> Principles and Practices of Management	<b>Course Code:</b> 25MJBBALSCM1L1
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

1. Demonstrate the usage of concepts of business management, principles and function of management.
2. Explain the process of planning and decision making.
3. Explain organization structures based on authority, task and responsibilities.
4. Explain the principles of direction, importance of communication, barrier to communication, motivation theories and leadership styles.
5. Explain the significance of good control system and control technique

Unit	Description	Hours
<b>1</b>	INTRODUCTION TO MANAGEMENT Introduction –Meaning, Evolution of management thought, Pre-Scientific Management Era, Classical Management Era, Neo-Classical Management Era, Modern Management Era; Nature and Characteristics of Management - Scope and Functional areas of Management; Management as a Science, Art or Profession; Management and Administration; Principles of Management.	(10 Hrs)
<b>2</b>	PLANING AND ORGANIZING Nature, Importance and Purpose of Planning - Planning Process; Objectives; Types of plans (Meaning only); Decision making- Importance and steps; MBO and MBE (Meaning only); Nature and purpose of Organization; Principles of Organizing; Delegation of Authority; Types of Organization - Departmentation,	(12 Hrs)

	Committees; Centralization vs Decentralization of Authority and Responsibility, Span of Control	
<b>3</b>	<b>STAFFING, DIRECTING AND COMMUNICATING</b> Meaning & Nature and importance of Staffing; Meaning and Nature of Direction, Principles of Direction; Communication - Meaning and Importance, Communication Process, Barriers to Communication, Steps to overcome Communication Barriers, Types of Communication;	(10 Hrs)
<b>4</b>	<b>MOTIVATION AND LEADERSHIP</b> Motivation theories – Maslow’s Need Hierarchy Theory, Herzberg’s Two Factor Theory, Mc.Gregor’s X and Y theory. Leadership – Meaning, Formal and Informal Leadership, Characteristics of Leadership; Leadership Styles – Autocratic Style, Democratic Style, Participative Style, Laissez Faire Leadership Styles, Transition Leadership, Charismatic Leadership Style	(12 Hrs)
<b>5</b>	<b>COORDINATING, CONTROLLING AND BUSINESS ETHICS</b> Coordination–Meaning, Importance and Principles. Controlling-Meaning and steps in controlling, Essentials of Effective Control system, Techniques of Control (in brief). Business Social Responsibility - Meaning, Arguments for and against Business Social Responsibility; Green management - Meaning, Green Management Actions; Managerial Ethics – Meaning - Importance of Ethics in Business, Factors that determine Ethical or Unethical behavior.	(12 Hrs)

**References:**

1. Stephen P. Robbins, Management, Pearson
2. Koontz and O’Donnell, Management, McGraw Hill.
3. L M Prasad, Principles of management, Sultan Chand and Sons.
4. V.S.P Rao/Bajaj, Management process and organization, Excel Books.GH25
5. Appanniah and Reddy, Management, HPH.
6. T. Ramaswamy : Principles of Management, HPH.

## Bachelor of Business Administration (Logistics and Supply Chain Management)

### Semester - I

<b>Course Title:</b> Fundamentals of Business Accounting	<b>Course Code:</b> 25MJBBALSCM1L2
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

1. Demonstrate theoretical knowledge and its application in real time accounting.
2. Prepare financial statement of companies.
3. Independently undertake financial statement analysis and take decisions.
4. Comprehend emerging trends in accounting and computerization of accounting systems.

Unit	Description	Hours
<b>1</b>	INTRODUCTION TO FINANCIAL ACCOUNTING Book-Keeping, Accountancy, Accounting - Meaning & Definition, Objectives of Accounting, Functions of Accounting, Accounting Cycle, Basic terms in accounting, systems of accounting, Users of Accounting Information and Limitations of Accounting. Generally Accepted Accounting Principles - Accounting Concepts and Accounting Conventions, Accounting Standards – meaning, objectives, significance and List of Indian Accounting Standards ( Ind AS)	(08 Hrs)
<b>2</b>	ACCOUNTING PROCESS Account-meaning, Kinds of Accounts (both English and American system), Rules of debit & credit. Transaction Analysis, Journal-concepts & problems, Ledger-concepts & problems, Trial Balance – meaning, suspense account, methods & Problems on preparation of trial balance.	(12 Hrs)
<b>3</b>	SUBSIDIARY BOOKS	(12 Hrs)

	Meaning, Significance, Types of Subsidiary Books, Goods Journal - Preparation of Purchases Book, Sales Book, Purchase Returns Book, Sales Return Book; Bills Journal- preparation of Bills Receivable Book & Bills Payable Book; Cash Journal- Types of Cash Book, Problems only on Three Column Cash Book and simple Petty Cash Book; Journal proper – meaning and problems. Bank Reconciliation Statement (BRS) – concepts, Problems on Bank Reconciliation Statement.	
<b>4</b>	<b>FINAL ACCOUNTS OF PROPRIETARY CONCERN</b> Sole Proprietorship – meaning, features, meaning of Final Accounts, Preparation of Trading and Profit & Loss account as well as Balance Sheet of a proprietary concern with special adjustments like depreciation, outstanding and prepaid expenses, outstanding and received in advance of incomes, bad debts, provision for doubtful debts, drawings and interest on capital.	(12 Hrs)
<b>5</b>	<b>ACCOUNTING SOFTWARE</b> Accounting software – meaning, types accounting software; Tally- Meaning of Tally software, Features, Advantages. Working in Tally: Company Info Menu- select a company, shut a company, Creating a New Company, alter company, take backup, restore backup. Country Specific Configuration – fill up country details, configuration of numbers, loading and selecting a company, setting financial year. Preparing ledger, voucher entry and Generating Basic Reports in Tally.	(12 Hrs)

**References:**

1. Accounting for Management-Text & Cases - S.K.Bhattacharya & John Dearden, Vikas Publishing House Pvt. Ltd. 3rd edition, 2018.
2. Financial accounting - S.N.Maheshwari, Suneel K. Maheshwari, Sharad K. Maheshwari, Vikas Publishing House Pvt. Ltd, 6th edition, 2018.
3. Accounting for Managers – J.Made Gouda, Himalaya Publishing House, 1st edition, 2007.
4. Management Accounting : Text, Problems and Cases, M Y Khan, P K Jain, Tata McGraw-Hill Education, 7th edition, 2007.

## Bachelor of Business Administration (Logistics and Supply Chain Management)

### Semester - I

<b>Course Title:</b> Fundamentals of Logistics and Supply Chain Management	<b>Course Code:</b> 25MJBBALSCM1L3
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	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	12
<b>2</b>	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	8
<b>3</b>	Warehouse: Warehouse-Meaning, Types of Warehouses Benefits of Warehousing. Transportation- Meaning; Types of Transportations, efficient transportation system and Benefits of efficient transportation systems. Courier/Express - Courier/Express-Meaning, Categorization of Shipments, Courier Guidelines, Pricing in Courier - Express Sector for international and domestic shipping. E-Commerce - Meaning, Brief on Fulfillment Centers,	12

	Reverse logistics in e-commerce sector, Marketing in e-commerce and future trends in e-commerce.	
4	EXIM: Brief on EXIM/FF&CC, Multi-modal transportation, brief on customs clearance, bulk load handling and brief on trans-shipment, Supply chain, Cold chain, Liquid Logistics, Rail Logistics.	12
5	Introduction to Supply Chain Management & Case Analysis; Strategic Importance of IT & Computer Simulation in Supply Chain Management; Supply Chain Performance; Supply Chain System Slacks; Demand Management; Supply Management; Inventory Management; Production Management.	12

**References:**

- 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.
- Vinod V. Sople (2009) Logistic Management (2nd Edn.) Pearson Limited.
- Logistics Management for International Business: Text and Cases, Sudalaimuthu & Anthony Raj, PHI Learning, First Edition, 2009.
- Fundamentals of Logistics Management, David Grant, Douglas M. Lambert, James R. Stock, Lisa M. Ellram, McGraw Hill Higher Education, 1997.
- Logistics Management, Ismail Reji, Excel Book, First Edition, 2008.

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## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - I

<b>Course Title:</b> Communication Skills for Managers	<b>Course Code:</b> 25MJBBALSCM1L4
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

1. Learn types of communication to become successful managers.
2. Equip themselves with the mechanics of writing and compose the business letters in English precisely and effectively.
3. Draft business proposals to meet the challenges of competitive environment.
4. Learn the art of Interpersonal communication and technological advancement and social media usage in communications, with emphasis on analysing business situations.

Unit	Description	Hours
<b>1</b>	OVERVIEW OF COMMUNICATION Meaning & Definition of business communication, Role, Classification communication – Communication Process – Characteristics of successful communication. Levels of communication, Communication barriers.	(10 Hrs)
<b>2</b>	ORAL MODE OF COMMUNICATION FOR MANAGERS Oral Communication: Meaning – Principles of successful oral communication, Conversation control – two sides of effective oral communication: Reflection and Empathy. Oral Presentation: Role of business presentations, Planning and Organizing Presentation, Developing Visual Support for Business presentation.	(16 Hrs)
<b>3</b>	WRITTEN COMMUNICATION Written Communication: Purpose of writing – Clarity in writing –Principles of effective writing – Writing Positive, Neutral, Persuasive and Bad-news Messages;	(10 Hrs)

	Types of Written Communication in Business: Business Letters, Employee Reviews, Recommendation Letters, Thank You Letters, Memos, proposals and Reports, Planning Documents, Press Releases, Proactive Media Writing and E-mail.	
<b>4</b>	<b>BUSINESS REPORTS</b> Business Reports: Meaning, Kinds and Objectives of reports – Organization & Preparing reports, writing executive summary. Business Case Analysis: What is a case? Characteristics of Case Process of Case Analysis, Meeting Documentation: Notice, Agenda, and Resolution & Minutes	(10 Hrs)
<b>5</b>	<b>EMPLOYMENT COMMUNICATION</b> Preparing resume, Writing covering letters and Inquiry Emails, do's and don'ts of Job Interview, Practicing business etiquette, Effective non-verbal communication, Managing the process of communication in Conflict.	(10 Hrs)
<b>References:</b>		
<ol style="list-style-type: none"> <li>1. Business Communication by P D Chaturvedi, Mukesh Chaturvedi, Person 3rd edition 2013.</li> <li>2. Communicating in Business by Ober Newman, Cengage, 8th edition 2018.</li> <li>3. Business and professional communication - Kelly m. Quintanilla &amp; Shawn T. Wahl, Sage South-Asia edition 2017.</li> <li>4. Business communication – A South Asian perspective – Lehmen, Dufrene, Sinha, Cengage Learning, 2nd edition, 2012.</li> </ol>		

# Bachelor Of Business Administration (Logistics and Supply Chain Management)

## Semester - II

<b>Course Title:</b> Financial Management	<b>Course Code:</b> 25MJBBALSCM2L1
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

### Course Outcomes (COs):

At the end of the course, students will be able to:

- Understand the basic financial concepts
- Apply time value of money
- Evaluate the investment decisions
- Estimate working capital requirements
- Analyse the capital structure and dividend decisions

Unit	Description	Hours
<b>1</b>	INTRODUCTION TO FINANCIAL MANAGEMENT Financial Management – meaning & definition, objectives, scope, changing role of finance managers. Time value of money – meaning, Future Value of a Single Cash Flow, Future Value of an Annuity, Present Value of a Single Cash Flow, Present Value of Annuity, (Theory & Problems), preparation of loan amortization schedule.	(11 Hrs)
<b>2</b>	COST OF CAPITAL Sources of Financing: internal sources – retained earnings; external sources – equity shares, preference shares, debentures, term loans (concepts only) Cost of capital – meaning & definition, classification, Cost of debt, cost of preference, cost of equity capital and cost of retained earnings, weighted average cost of capital, marginal cost of capital. (Theory & Problems).	(11 Hrs)
<b>3</b>	INVESTMENT DECISIONS Capital Budgeting: meaning and definition, process; Cash Flow Estimation – concepts, four basic principles; Capital Budgeting Methods- ARR, Payback	(12 Hrs)

	Period, Discounted Payback Period, NPV, PI or BC Ratio, IRR; (Theory & Problems).	
<b>4</b>	<p><b>CAPITAL STRUCTURE DECISIONS AND LEVERAGES</b></p> <p>Capital Structure: meaning, patterns of capital structure, factors affecting capital structure decisions, concept of optimum capital structure, capital structure decisions – determination of EPS under different capital structure and EBIT – EPS analysis. (No capital structure theories to be covered). Leverages: meaning, types – operating leverage, financial leverage and combined leverage (Theory &amp; Problems).</p>	(12 Hrs)
<b>5</b>	<p><b>WORKING CAPITAL DECISIONS AND DIVIDEND POLICY</b></p> <p>Working Capital: meaning, types, factors influencing working capital requirements, operating cycle and cash cycle, problems on estimation of working capital requirements. Importance of working capital management Dividend Policy: concepts, types of dividend policies, factors influencing dividend policy decisions. (only Theory &amp; No dividend theories to be covered).</p>	(10 Hrs)
<p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Financial Management -Khan M. Y.&amp; Jain P. K, Tata McGraw Hill 7th edition.</li> <li>2. Financial Management – Prasanna Chandra, 9th edition.</li> <li>3. Financial Management – Prahlad Rathod, Babitha Thimmaiah and Harish Babu, Himalaya Publishing House, 1st edition, 2015.</li> <li>4. Financial Management: A Strategic Perspective, Nikhil Chandra Shil &amp; Bhagaban Das, Sage Publications, 1st edition, 2016.</li> </ol>		

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - II

<b>Course Title:</b> Human Resource Management	<b>Course Code:</b> 25MJBBALSCM2L2
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

1. Describe the role and responsibility of Human resources management functions on Business.
2. Describe about HRP, Recruitment and Selection process.
3. Explain about induction, training, and compensation aspects.
4. Explain performance appraisal and its process.
5. Explain Employee Engagement and Psychological Contract

Unit	Description	Hours
<b>1</b>	INTRODUCTION TO HUMAN RESOURCE MANAGEMENT Meaning and Definition of HRM – Features Objectives, Differences between Human Resource Management and Personnel Management, Importance, Functions and Process of HRM, Role of HR Manager, Trends influencing HR practices	(10 Hrs)
<b>2</b>	HUMAN RESOURCE PLANNING, RECRUITMENT & SELECTION Human Resource Planning: Meaning and Importance of Human Resource Planning, Process of HRP HR Demand Forecasting- Meaning and Techniques (Meanings Only) and HR supply forecasting. Succession Planning – Meaning and Features Job Analysis: Meaning and Uses of Job Analysis, Process of Job Analysis – Job Description, Job Specification, Job Enlargement, Job Rotation, Job Enrichment (Meanings Only) Recruitment – Meaning, Methods of Recruitment, Factors affecting Recruitment, Sources of Recruitment.	(12 Hrs)
<b>3</b>	SELECTION, INDUCTION, TRAINING AND COMPENSATION	(12 Hrs)

	Selection – Meaning, Steps in Selection Process, Psychometric tests for Selection, Barriers to effective Selection, Making Selection effective; Placement, Gamification – Meaning and Features Induction: Meaning, Objectives and Purpose of Induction, Problems faced during Induction, Induction Program Planning. Training: Need for training, Benefits of training, Assessment of Training Needs and Methods of Training and Development; Kirkpatrick Model; Career Development. Compensation: Direct and Indirect forms of Compensation (Meaning Only), Compensation Structure.	
4	PERFORMANCE APPRAISAL, PROMOTION & TRANSFERS Performance appraisal: Meaning and Definition, Objectives and Methods of Performance Appraisal – Uses and Limitations of Performance Appraisal, Process of Performance Appraisal Promotion: Meaning and Definition of Promotion, Purpose of Promotion, Basis of promotion Transfer: Meaning of Transfer, Reasons for Transfer, Types of Transfer, Right Sizing of Work Force, Need for Right Sizing	(12 Hrs)
5	EMPLOYEE ENGAGEMENT AND PSYCHOLOGICAL CONTRACT Employee Engagement (EE): Meaning and Types of EE, Drivers of Engagement - Measurement of EE, Benefits of EE. Psychological contract: Meaning and features	(10 Hrs)

**References:**

1. Aswathappa, Human Resource Management, McGraw Hill
2. Edwin Flippo, Personnel Management, McGraw Hill
3. C.B.Mamoria, Personnel Management, HPH
4. Subba Rao, Personnel and Human Resources Management, HPH
5. Reddy & Appanniah, Human Resource Management, HPH
6. Madhurimalal, Human Resource Management, HPH
7. S.Sadri & Others: Geometry of HR, HPH
8. Rajkumar: Human Resource Management I.K. Intl
9. Michael Porter, HRM and Human Relations, Juta & Co.Ltd.
10. K. Venkataramana, Human Resource Management, SHBP

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - II

<b>Course Title:</b> Marketing Management	<b>Course Code:</b> 25MJBBALSCM2L3
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

1. To assess the impact of the environment on marketing function.
2. To formulate marketing strategies that incorporate psychological and sociological factors that influence buying.
3. Understand concept of Branding, development of product and significance of market segmentation, targeting and positioning.
4. Identify marketing channels and the concept of product distribution.
5. Identify techniques of sales promotion, significance of marketing research.
6. Synthesize ideas into a viable marketing plan for various modes of marketing

Unit	Description	Hours
<b>1</b>	INTRODUCTION TO MARKETING MANAGEMENT Meaning and Definition, Concepts of Marketing, Approaches to Marketing, Functions of Marketing. Recent trends in Marketing-E- business, Tele-marketing, M-Business, Green Marketing, Relationship Marketing, Concept Marketing, Digital Marketing, social media marketing and E-tailing (Meaning only).	(10 Hrs)
<b>2</b>	MARKETING ENVIRONMENT, MARKET SEGMENTATION AND CONSUMER BEHAVIOUR Micro Environment – The company, suppliers, marketing intermediaries competitors, public and customers; Macro Environment- Demographic, Economic, Natural, Technological, Political, Legal, Socio- Cultural Environment.	(12 Hrs)
<b>3</b>	MARKETING SEGMENTATION AND CONSUMER BEHAVIOUR	(12 Hrs)

	Meaning and Definition, Bases of Market Segmentation, Requisites of Sound Market Segmentation; Consumer Behavior-Factors influencing Consumer Behavior; Buying Decision Process	
4	MARKETING MIX and NEW PRODUCT DEVELOPMENT Meaning, Elements of Marketing Mix (Four P's) – Product, Price, Place, Promotion. Product- Product Mix, Product Line, Product Lifecycle, New Product Development, Reasons for Failure of New Product, Branding, Packing and Packaging, Labelling	(12 Hrs)
5	PRICING, DISTRIBUTION AND SERVICES MARKETING Pricing – Objectives, Factors influencing Pricing Policy, Methods of Pricing; Physical Distribution– Meaning, Factors affecting Channel Selection, Types of Marketing Channels. Promotion – Meaning and Significance of Promotion, Personal Selling and Advertising (Meaning Only); Introduction to services marketing (Concepts Only): Meaning and definition of services, difference between goods and services, features of services, seven P's of services marketing.	(10 Hrs)

**References:**

1. Philip Kotler, Marketing Management, Prentice Hall.
2. Lovelock Christopher, Services Marketing: People, Technology, Strategy, PHI
3. William J. Stanton, Michael J. Etzel, Bruce J Walker, Fundamentals of Marketing, MCGraw Hill Education.
4. Bose Biplab, Marketing Management, Himalaya Publishers.
5. J.C. Gandhi, Marketing Management, Tata McGraw Hill.
6. Ramesh and Jayanti Prasad: Marketing Management, I.K. International
7. Sontakki, Marketing Management, Kalyani Publishers.
8. P N Reddy and Appanniah, Marketing Management

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - II

<b>Course Title:</b> Operations Management	<b>Course Code:</b> 24MJBBA5E3SCM3
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### COURSE OUTCOMES (CO'S):

**At the end of the course, students will be able to:**

- Describe concepts related to the operations management.
- Assess the role of operations vis-à-vis other functions in an organisation.
- Build the competencies in identifying optimum locations, choose layouts, manage material and inventory.
- Expound the importance of quality in organisations.
- Evaluate the current trends in business and its impact on operations management.

Unit	Description	Hours
1	<b>OVERVIEW OF OPERATIONS MANAGEMENT:</b> Meaning and definition of operations management; role of operations in an organization; what is Process management? Scope of operations management; Operations management and decision making. Historical evolution. Operations today.	10
2	<b>FACILITIES, LOCATION AND LAYOUTS:</b> Site Selection; Location Analysis Techniques; Type of Facilities; Process structure in services; Process structure in manufacturing; Process selection; Technology; Facilities layout; Designing product layouts; Designing Process Layouts.	10
3	<b>INVENTORY MANAGEMENT:</b> Meaning/definition, Nature and importance of inventory management; Requirements for effective inventory management. Inventory Cost Structures. Independent versus Dependent Demand. ABC Inventory Management, Economic	12

	Order Quantity (EOQ).	
<b>4</b>	<b>MATERIALS REQUIREMENT PLANNING:</b> Materials Requirement Planning (MRP): An overview of MRP. MRP inputs. MRP processing. MRP outputs; JIT – Just in time: meaning/definition; advantages and disadvantages of JIT; The Toyota Approach; introduction to scheduling operations.	<b>12</b>
<b>5</b>	<b>MANAGING QUALITY, QUALITY CONTROL AND IMPROVEMENT</b> Managing Quality: Evolution of Quality Management, the Quality Gurus, Quality Definitions, Service Quality, Quality Awards, Quality Certifications and Standards. Quality Control and Improvement: Design of Quality Control Systems, Process Quality Control, Attribute Control, Variables Control, Using Control Charts, TQM, Six Sigma.	<b>12</b>
<p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. William J Stevenson, Operations Management, McGraw Hill Education (India), 11th Edition, 2015.</li> <li>2. Lee J Krajewski, et. al., Operations Management, Process and Supply Chains, Pearson, 12th Edition, 2019.</li> <li>3. Jay Heizer, Barry Render, Chuck Munson and Amit Sachan, Operations Management Sustainability and Supply Chain Management, Pearson, 12th Edition, 2017.</li> <li>4. S.N. Chary, Operations Management, Tata Mc Graw Hill Publishing Company, 6th Edition, 2019.</li> <li>5. Roger G Schroeder et al, Operations Management in the Supply Chain, Mc Graw Hill, 6th Edition, 2013.</li> <li>6. B. Mahadevan, Operations Management – Theory and Practice, Pearson, 3rd Edition, 2015.</li> </ol>		

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - III

<b>Course Title:</b> Procurement and Materials Management	<b>Course Code:</b> 25MJBBALSCM3L1
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	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.	12
<b>2</b>	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	11
<b>3</b>	Inventory - Need of Inventory -Types of Inventory - 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.	11
<b>4</b>	Quality control of material: Incoming material quality control- statistical quality control(Various control charts)- Inventory control & Cost Reduction techniques.	12

	Value Analysis & Value Engineering. Standardization – need and importance. Codification - concept, benefits.	
5	Stores- Functions- Stores layout-documentation- Materials handling and storage systems,- Principles of Materials Handling system – Safety issues	10

**References:**

- Materials management: procedures, text and cases- A.K. Datta
- Materials management: An integrated approach - P. Gopalakrishnan
- Introduction to Materials management - J.R. Tony Arnold & Stephen N. Chapman
- Purchasing and Materials Management - K S Menon
- Handbook of Materials Management – Gopalakrishnan

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - III

<b>Course Title:</b> MIS for Logistics and Supply Chain Management	<b>Course Code:</b> 25MJBBALSCM3L2
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	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.	12
<b>2</b>	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.	12
<b>3</b>	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.	12
<b>4</b>	Functional Area & Compliance systems: Management levels and functional systems Enterprise Systems and applications: Enterprise systems, Enterprise	12

	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.	
5	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.	8

**References:**

- KENNETH C. L., JANE P. L., & RAJANISH DASS (2001) Management Information System - Managing the Digital Firm. Pearson Education: New Delhi.
- RAVI, K., & ANDREW, B. W. Frontiers of Electronic Commerce. Pearson Education: New Delhi.
- KENNETH, C. L., & JANEP, L. (2001) Essentials of MIS. Prentice Hall India: New Delhi.
- SADAGOPAN, S. (2003) Management Information System. Prentice Hall India: New Delhi.
- EFF, O.Z. (2003) Management Information Systems. Vikas Publishing House Pvt. Ltd.: New Delhi.

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - III

<b>Course Title:</b> Statistics for Business Decisions	<b>Course Code:</b> 24MJBBA3L3
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### COURSE OUTCOMES (CO'S):

**At the end of the course, students will be able to:**

- Students would be able to explain the basic concepts of business statistics.
- Students would demonstrate the abilities of classification, tabulation and diagrammatic presentation of given data.
- Students would be able to use the measures of central tendency and dispersion for interpreting the given data.
- Students would be able to establish the relationship between various data using correlation and regression analysis.

<b>Unit</b>	<b>Description</b>	<b>Hours</b>
<b>1</b>	<p>OVERVIEW OF BUSINESS STATISTICS</p> <p>Introduction – Meaning, Functions and Uses of Statistics; Collection of Data - Techniques of Data Collection – Census Technique and Sampling Technique (Concepts). <b>Classification:</b> Meaning, and Methods of Classification of Data, <b>Tabulation:</b> Meaning, Parts of a Table – Simple problems on Tabulation; <b>Diagrammatic Presentation:</b> Bar Diagrams – Simple Bars, Multiple Bars, Percentage Sub-divided Bar Diagram; Pie Diagram.</p>	(12 Hrs)
<b>2</b>	<p>MEASURES OF CENTRAL TENDENCY AND DISPERSION</p> <p><b>Measures of Central Tendency:</b> Calculation of Arithmetic Mean, Median and Mode for Individual, Discrete and Continuous Series – Problems; <b>Measures of Dispersion:</b> absolute and relative measures</p>	(14 Hrs)

	of dispersion, Standard Deviation in Individual, Discrete and Continuous Series, Measures of Skewness: Calculation of Karl Pearson's Co-efficient of Skewness – Problems.	
<b>3</b>	<b>CORELATION AND REGRESSION ANALYSIS</b> <b>Correlation Analysis</b> - Meaning, Types of Correlation, Calculation of Karl Pearson's Coefficient of Correlation, <b>Regression Analysis</b> – Concept of Regression, Regression equations- Problems.	(10 Hrs)
<b>4</b>	<b>TIME SERIES ANALYSIS</b> Meaning, Components, fitting a straight-line trend using Least Square Method (Problems where $\Sigma X=0$ only), calculation and estimation of trend values.	(12 Hrs)
<b>5</b>	<b>INDEX NUMBERS</b> Index number, Construction of Index number, Methods of Index number – simple aggregate method, Weighted method - Fishers Ideal Index Number-Problems. Consumer Price Index Number-Problems.	(10 Hrs)

**References:**

1. S P Gupta: Statistical Methods- Sultan Chand
2. Dr. B N Gupta: Statistics, Sahithya Bhavan
3. S.C Gupta: Business Statistics, HPH
4. N.V.R Naidu: Operation Research I.K. International Publishers
5. Elhance: Statistical Methods, Kitab Mahal
6. Sanchethi and Kapoor: Business Mathematics, Sultan Chand
7. Veerachamy: Operation Research I.K. International Publishers
8. S. Jayashankar: Quantitative Techniques for Management
9. D.P Apte; Statistical Tools for Managers
10. Chikoddi & Satya Prasad: Quantitative Analysis for Business Decision, HPH
11. Dr. Alice Mani: Quantitative Analysis for Business Decisions - I, SBH.

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - III

<b>Course Title:</b> Warehousing & Distribution Centre Operations	<b>Course Code:</b> 25MJBBALSCM3L4
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	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.	8
<b>2</b>	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.	12
<b>3</b>	Procedure to prepare warehouse dispatches-Preparing Packaging List/Dispatch Note-Packaging-its importance of packing-Packaging 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.	12

4	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.	12
5	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.	12
<p><b>References:</b></p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Warehouse Management: A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern Warehouse- III Edition-Gwynne Richards</li> </ul>		

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - IV

<b>Course Title:</b> Forecasting and Inventory Management	<b>Course Code:</b> 25MJBBALSCM4L1
<b>Total Contact Hours: 56</b>	<b>No. of Credits: 4</b>
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks: 20</b>	<b>Duration of SEE: 3 Hours</b>
<b>Semester End Exam Marks: 80</b>	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	Forecasting: Meaning –Need -Types of forecast –Demand Forecasting- Types of Demand Forecasting- -Importance - Demand planning v/s Forecasting- Sources of demand-Supply chain dynamics	8
<b>2</b>	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).	12
<b>3</b>	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	12
<b>4</b>	Codification – Classification – Methodology–Requirement of codes – Coding Structure and Design –Advantages - International Codification – Right Quantity – Economic Ordering Quantity -Costs associated with Inventories- Models in	12

	logistics	
5	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	12

**References:**

- Sunil Chopra and Peter Meindl, Supply Chain Management Pearson Education Asia, 3rd edition, 2007
- Chaman L Jain, “Fundamentals of Demand Planning & Forecasting”, Graceway Publishing Company 3rd edition.
- Operations Research – Concepts, Problems & Solutions- Kapoor V.K.-Sultan Chand & Sons/2017- 978-81-8054-854-3 (TC-532)
- Vijay Kumar Khurana, 2007, Management of Technology and Innovation, Ane books India,
- Simchi-Levi, David, “Designing and Managing Supply Chain”, Tata McGraw Hill, 3rd Edition, 2007.
- David E Mulcahy, “Warehouse Distribution and Operations Handbook, McGraw Hill,6thEdition, 1993.

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - IV

<b>Course Title:</b> Freight Forwarding	<b>Course Code:</b> 25MJBBALSCM4L2
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

- 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	Description	Hours
<b>1</b>	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.	12
<b>2</b>	Operation Procedures of Freight Forwarding - The procedures for Pre-Operating Checks and Operational checks to be performed for every shipment / consignment	8
<b>3</b>	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.	12
<b>4</b>	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	12

	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	
5	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.	12

**References:**

- J P Saxena, Warehouse Management and Inventory Control- Vikas Publication House Pvt Ltd, First Edition, 2003.
- Warehouse Management: Automation and Organisation of Warehouse and Order Picking Systems[With CDROM], Michael Ten Hompe, Thorsten Schmidt, Springer verlag, First Edition, 2006.
- Management Guide to Efficient Money Saving Warehousing, Stephen Frey, Gower, 1982.
- Swapna Pillai, Export Import Procedures & Documentation, Sahitya Bhawan Publication, 2020.

# Bachelor Of Business Administration (Logistics and Supply Chain Management)

## Semester - IV

<b>Course Title:</b> Supply Chain Analytics	<b>Course Code:</b> 25MJBBALSCM4L3
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

### Course Outcomes (COs):

At the end of the course, students will be able to:

- Understand the integration of supply chain processes with business strategies using the Triple A framework.
- Identify and utilize various data sources, including structured and unstructured data, for supply chain analytics.
- Apply descriptive analytics to supply chain metrics (e.g., inventory, production, service) to enhance decision-making.
- Develop and evaluate predictive models for demand forecasting, customer churn, and equipment failure.
- Gain hands-on experience with technologies like IoT, Blockchain, and AWS for implementing real-time supply chain solutions.

Unit	Description	Hours
<b>1</b>	Module 1: Introduction to Supply Chain Analytics The Triple A framework of Supply Chain, Supply Chain Processes – Plan, Source, Make, Deliver and Sell The link between Business Strategy and Supply Chain Strategy Efficient vs Responsive Supply Chains	12
<b>2</b>	Module 2: Data Sources' for Supply Chain Analytics Organization data from internal systems, Data available outside organisation boundaries - Unstructured Data from Reviews, Social media, blogs etc, Data Sources from new technologies – Internet of Things, Blockchain	8
<b>3</b>	Module 3: Descriptive Analytics	12

	<p>Process of Problem Discovery through Analytics, Pre processing of raw data from core Supply Chain Systems. Data Validation of Data from multiple core systems. Handling missing data, Collating data from different systems to make it meaningful for analysis.</p> <p>Descriptive Analytics, Supply Chain Metrics - Spends/Sourcing Analytics</p> <p>Inventory Analytics: ABC XYZ Analysis,</p> <p>Production Analytics: Process, Capacity, Quality &amp; Service Analytics metrics</p>	
<b>4</b>	<p>Module 4: Predictive Analytics</p> <p>Various Use Cases for Prescriptive Analytics</p> <p>Demand Forecasting – Time Series Techniques, Causal techniques</p> <p>Process of Predictive Modelling: From Building models to evaluating model fit.</p> <p>Supervised Models – Predicting Customer Churn, Based on Structured Data, Based on Unstructured Data – Text Mining Topic Modelling</p> <p>Predicting Equipment Failure</p>	12
<b>5</b>	<p>Module 5: Technology for Supply Chain Analytics</p> <p>Datawarehousing and Data Center/AWS (including Extraction, Transformation,Loading) Modelling Tools: Implementation of Real Time System with Model Building – Case Studies of AWS. End to End Supply Chain Solutions. Internet of Things and Block Chain</p>	12
<p><b>References:</b></p> <ul style="list-style-type: none"> <li>• Janat Shah, Supply Chain Management, Pearson Education India,2nd edition 2016</li> <li>• Raghuram and N. Rangaraj, Logistics and Supply chain Management – Leveraging Mathematical and Analytical Models: Cases and Concepts, New Delhi: Macmillan, 2000</li> </ul>		

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - IV

<b>Course Title:</b> Multimodal transportation	<b>Course Code:</b> 25MJBBALSCML4
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	Transportation Systems & Multi modal Transport –Concept of Multimodal & Intermodal Transport – introduction to Multi modal transport, the difference between Multimodal and Intermodal 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
<b>2</b>	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
<b>3</b>	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	12

	Types	
4	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	8
5	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

**References:**

- White, D. G., & Koontz, H. L. (2007). Multimodal transport: The route to more efficient and sustainable logistics. Kogan Page.
- Kittelson, W. P., & Mannering, F. L. (2009). Multimodal transportation systems: Management and operations. Pearson Education.
- Ripley, M. S. L. (2013). Multimodal transportation and logistics. Wiley.
- Abdelwahab, M. S. (2015). Multimodal transport law: A comparative study. Routledge.
- Rushton, A., Croucher, P., & Baker, P. (2014). The handbook of logistics and distribution management: Understanding the supply chain (5th ed.). Kogan Page.

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - V

<b>Course Title:</b> Business Research Methods	<b>Course Code:</b> 24MJBBALSCML1
<b>Total Contact Hours:</b> 56 Hours	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### COURSE OUTCOMES (CO'S):

At the end of the course, students will be able to:

- Explain about how-to carry-on research
- Explain about framing a research design and collection of data
- Explain about how to analyse the data collected and report writing under different situations.

Unit	Description	Hours
1	<b>Introduction:</b> Meaning-objectives – Research Categories( Basic Research and Applied Research)-Types of research(Descriptive, Analytical, Applied, Fundamental, Quantitative, Qualitative, Conceptual and Empirical research) - research approaches(Quantitative and Qualitative Approaches) - research methods Vs research methodology- Research Process.	10
2	<b>Defining the Research Problem:</b> Meaning - selecting the problem –techniques involved in defining the problem- formulating of the problem-formulation of hypothesis (concept only)- Developing the research plan.	10
3	<b>Research Design:</b> Meaning - need - features important concepts relating to research design -types of research design (Exploratory and Conclusive Research Design) - basic principles of experimental designs.	12
4	<b>Sampling :</b> Meaning - need - census and sample survey - sampling designs -probability sampling (simple random, systematic, stratified, cluster, area multistage, sequential sampling methods)- non	10

	probability sampling ( convenience, snowball, judgmental, case study. Quota sampling methods).	
5	<b>Data collection, Interpretation and Report writing:</b> Collection of primary data - collection of data through questionnaire- construction of a questionnaire- and schedules - secondary data - qualitative techniques of data collection – interview, Case study Method, observation - tabulation of data- Difference between primary and secondary data. Data interpretation, report writing steps, types of reports	14
<b>References:</b> <ol style="list-style-type: none"> <li>1. C.R. Kothari, Research Methodology.</li> <li>2. O.R. Krishna Swamy, Research Methodology</li> <li>3. Wilkinson and Bhandarkar, Methodology and techniques of social research</li> <li>4. Sadhu Sing, research methodology in social sciences</li> <li>5. V.P. Michael, Research Methodology in Management</li> <li>6. Willium M.K. Trochim, Research Methods, Bzantra</li> </ol>		

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - V

<b>Course Title:</b> Retail Logistics and E-Commerce	<b>Course Code:</b> 25MJBBALSCM5L2
<b>Total Contact Hours: 56</b>	<b>No. of Credits: 56</b>
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks: 20</b>	<b>Duration of SEE: 3 Hours</b>
<b>Semester End Exam Marks: 80</b>	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	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	10
<b>2</b>	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.	12
<b>3</b>	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.	11
<b>4</b>	E-Commerce: Introduction to E-commerce logistics including delivery and pickup models and the overall logistic setup – Order Processing – Activities in order	11

	processing - Types of order processing - - Procedures for generating plans and schedules through MIS.	
5	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	10

**References:**

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

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - V

<b>Course Title:</b> Surface Transportation	<b>Course Code:</b> 25MJBBALSCM5L3
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

- Understand the role of transportation in logistics, types of carriers, safety protocols, and warehouse traffic rules.
- Learn transportation optimization techniques, including documentation (GST, E-waybill), telematics, and issue resolution during transit.
- Gain knowledge of truck types, load capacities, temperature-controlled carriers, and handling discrepancies or claims.
- Analyze benefits, trends, regulations, and safety procedures in transportation, including GPS tracking systems.
- Develop skills in customer management, vendor coordination, DG handling, and rail logistics in India.

Unit	Description	Hours
<b>1</b>	Introduction to surface transportation - Need for transportations - Role of transportations in logistics -Importance of transportations - Types of transportations metrics - functions of transportations – inter modal transport - various land transport carriers and their Load capacities - pricing and availability - verification of carriers and drivers - transit rules - traffic rules inside warehouse premises – Docking procedure and safety steps. Procedure to Confirm vehicle for loading of goods	12
<b>2</b>	Transportation Optimisation - Documentation for transportation – GST – E Waybill Filing -Transportation Telematics - Vehicle tracking system - Communication with vehicle driver or transport company -Probable reasons for	12

	delay or any issues during transit -Solutions for corrective actions (such as talking to local authorities or break down service assistance) - Road signs, List good practices in driving.	
3	Types of Trucks and Load capacity/Organisation structure in a Transport organization/ Incident management systems & Processes - Explain types of temperature-controlled carriers – Discuss hazmat goods rules -Importance of safety data sheet and labels - Procedure for Consolidation of consignments for optimal loads, to verify count of material - Reporting discrepancies such as pilferages, loss or damage of goods in transit - Checking insurance and claims - steps to close deliveries and Coordinate with loading / unloading supervisor.	12
4	Benefits of efficient transportation systems/Study on emerging trend in transportation sector/ pricing in transportation sector/govt regulations on transportation in India. Safety procedures during transit and emergency response steps - keeping track of news on traffic and communicate with drivers to identify delays and suggest rerouting -Explain tracking systems-Importance of consignment number - GPS systems and tracking devices - Procedure for downloading and reading tracking data from devices	12
5	Customer Management/ Vendor coordination for return truck loads/DG Handling – features and facilities offered by railways factors influencing growth in rail logistics – suitability for different cargo and distance ranges segments – innovative schemes-facilities to popularize rail logistics in India	8

**References:**

- J P Saxena, Warehouse Management and Inventory Control- Vikas Publication House Pvt Ltd, First Edition, 2003. 3.
- Warehouse Management: Automation and Organisation of Warehouse and Order Picking Systems [With CDROM],
- Michael Ten Hompel, Thorsten Schmidt, Springer-verlag, First Edition, 2006.

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - V

<b>Course Title:</b> Export and Import Documentation	<b>Course Code:</b> 25MJBBALSCM5L4
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

- 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	Description	Hours
<b>1</b>	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
<b>2</b>	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
<b>3</b>	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

4	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
5	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.	8

**References:**

- RAMA, GOPAL C. (2008) Export Import Procedures Documentation and Logistics. New Age International Publishers: New Delhi.
- KHUSHPAT, S. J. (2013) Export Import Procedures and Documentation. Himalaya Publishing House: New Delhi.
- PAWAN, KUMAR (2001) Export of India's Major Products Problems and Prospects. New Century Publications: New Delhi.
- KAPOOR, D. C. (2002) Export Management. Vikas Publications: New Delhi.
- CHERUNILAM, F. (2004) International Trade and Export Management. Himalaya Publications: New Delhi.

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - V

<b>Course Title:</b> Port Terminal Logistics	<b>Course Code:</b> 25MJBBALSCM5L5
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

1. Apply the Basic knowledge of Port terminals Logistics in the real-life situation
2. Enhance their ability and professional skills in Logistics

Unit	Description	Hours
<b>1</b>	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	8
<b>2</b>	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	12
<b>3</b>	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.	12
<b>4</b>	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	12
<b>5</b>	Port Tariff - Pilots and their duties - Tugs and its usage - Night navigations- Light Dues- Tariff Authorities of Major Port - Revision of rates - Port Trustees -	12

	Safety Procedures - Introduction of ISPS - Damage to Port property by ships - Compensation and confiscation of cargo to adjust dues	
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**References:**

- Major Port Trust Act – Government of India
- Port Industry Statistics, American Association of Port Authorities
- AP MOLLOR Guide book on Terminal
- DUBAI PORT AUTHORITIES Manual

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - VI

<b>Course Title:</b> Liner Logistics	<b>Course Code:</b> 25MJBBALSCM6L1
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	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.	12
<b>2</b>	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.	12
<b>3</b>	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	11

	tracking the container fleet, container control, FCLS LCLS & ICDS, legal & insurance implications in the container trade.	
4	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	11
5	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.	10

**References:**

- Ship Operation Management, Fujita, N.H. Publisher, 1974.
- Ship Operation Management, Bertrams Publication, 2010.
- Handbook of Ship Calculations, Construction and Operation, Charles H. Hughes, Wexford College Press, 2008.
- Ocean Shipping - Elements of Practical Steamship Operation, Robert Edwards Annin, Thompson Press, 2010.

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - VI

<b>Course Title:</b> Courier, Express and Parcel Services	<b>Course Code:</b> 25MJBBALSCM6L2
<b>Total Contact Hours: 56</b>	<b>No. of Credits: 4</b>
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks: 20</b>	<b>Duration of SEE: 3 Hours</b>
<b>Semester End Exam Marks: 80</b>	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	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.	10
<b>2</b>	Customer declarations – verification of customer declarations and consignment package - Clarification procedure in case of discrepancies noticed - Generation of bill of lading /shipping bill for export consignments – Coordination for import/export consignments clearance	11
<b>3</b>	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
<b>4</b>	Tracking and tracing; AWB –essential time of arrival delivery - Last mile delivery – LMD -First mile delivery	11
<b>5</b>	Customer satisfaction- quality, delivery time, costs (shortest cost, loss	12

	prevention) - Weighment rate, cube scan –diversions/LBW/Volumetric density of cargo	
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**References:**

- Logistics and Supply chain management – Martin Christopher
- Basics of Distribution Management; A Logistical Approach Prentice HALL of India – Kapoor Sathish
- Ware house management and Inventory control - Vikas Publication House

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - VI

<b>Course Title:</b> Global Logistics and Shipping Business	<b>Course Code:</b> 25MJBBALSCM6L3
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

1. Understand International logistics principles.
2. Gain a working understanding of the International shipping business.
3. Provide knowledge on Shipping and Freight forwarding Customs house agent Business
4. Understand the function of CFS and Understand International movement Business, functions of Fleet & Operations management, Handle the risk Management

Unit	Description	Hours
<b>1</b>	International Logistics Operations Introduction of Global Logistics, International trade- Types of trade , Advantages and Disadvantages of international Trade, Currency exchange rates, Calculation of exchange rates ,Fluctuation and adjustment of Exchange rates, Buying and selling exchange rates.	(10 Hrs)
<b>2</b>	Stakeholders in International logistics Roles and responsibilities of -Exporter and Importer, ICD and Role of ICD in Global Logistics, Stakeholder in Global Logistics, NOVCC, Role of Consolidator, Role of Freight forwarder, Role of Shipping line and Airline, Importance of Insurance, Function of Customs House Agent, Role of Customs in Global Logistics, Role of Bankers in Global Logistics.	(12 Hrs)
<b>3</b>	Export & Import Operations	(12 Hrs)

	Introduction of EXIM, Types of Cargo, LCL, FCL, Types of containers, Container dimensions, payload, Export and Import Process, INCOTerms, Invoice, Packing list, shipping bill, LC, BL, AWB,- CAN BOE, DO, Customs Duty Calculations, assessment of Goods, Drawback schemes & Refunds. VGM, IGM, EGM, SOLAS.	
<b>4</b>	Container Freight Stations Introduction of CFS, Role of CFS in Global Logistics, Loading & Unloading process at CFS, Console box operations, Challenges in CFS Operations, key benefits of CFS, Material Handling Equipments used at CFS, SOP of CFS.	(10 Hrs)
<b>5</b>	Port Operations Introduction to Port Operation, Stakeholder in Port Operations, major Airports, Sea Ports, Dry Ports, Sea Port Terminal Handling, Air Cargo Terminal Handling, Types of Ships & Cargo Aircraft, Health, safety, /security and the Environment (HSSE ) in Port. Regulatory, Legal issues, Importance of Insurance at Port. Vessel berthing slots	(12 Hrs)
<b>References:</b> <ul style="list-style-type: none"> <li>• Global Supply chain Management and International Logistics by Alan E Branch</li> <li>• NILA – Guide – by Paniraj Murthy &amp; Shobha K.V</li> <li>• Export Import Procedure, by - C Rama Gopal</li> </ul>		

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - VI

<b>Course Title:</b> Inland Waterways and Coastal shipping	<b>Course Code:</b> 25MJBBALSCM6L4
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

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

Unit	Description	Hours
<b>1</b>	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
<b>2</b>	Inland waterways: Introduction –Scope –Sources (lakes, Rivers, Canals, Back water, creeks, water courses inlets and bays)-Working principles -Impact - Inland waterways in India: locations	11
<b>3</b>	Roll and importance of inland waterways: Infrastructure facility required - Roll and importance of inland water ways in transportation- Transportation through creeks	11
<b>4</b>	Inland waterways: Road connectivity – Availability of cargo (scarcity)- Navigation (night navigation)- Draft restriction	10
<b>5</b>	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

**References:**

- Inland Waterway Transport: Challenges and prospects(Routledge Studiesin Transport Analysis)  
Hardcover – Import, 2 Jul 2016 by Bart Wiegman (Editor), Rob Konings (Editor)
- Inland waterways Transportation (IWT ) in India – Machiraju presentation Pvt ltd.

## Bachelor Of Business Administration (Logistics and Supply Chain Management)

### Semester - VI

<b>Course Title:</b> In plant logistics	<b>Course Code:</b> 25MJBBALSCM6L5
<b>Total Contact Hours:</b> 56	<b>No. of Credits:</b> 4
<b>L:T:P</b>	<b>4:0:0</b>
<b>Internal Assessment Marks:</b> 20	<b>Duration of SEE:</b> 3 Hours
<b>Semester End Exam Marks:</b> 80	

#### Course Outcomes (COs):

At the end of the course, students will be able to:

1. Students will be able to apply the Basic knowledge of In-plant operations in the real life situation
2. This subject will enable them to enhance their ability and professional skills

Unit	Description	Hours
<b>1</b>	Introduction to Logistics in a manufacturing setup - Manufacturing process - physical flow - Assembly line – OTIF (on time in full) - Basic activities of in-plant logistics : Loading, Unloading, Receiving, sorting, Storing, Picking and dispatch activities - process of coordination with assembly line	11
<b>2</b>	Job shop- work allocation - Production scheduling – selection of products/ models/parts/ Team table/Time table - Material flow – production line –feeding just in time inventory, Vendor management	11
<b>3</b>	Inbound logistics- inventory management, importance, Value addition, stock counts, audits	10
<b>4</b>	Out bound logistics – Finished goods(FG)- tooling, binding ,creating, input process, output - packaging, Kitting, far goods(FH), Spare parts, , After markets process, schedule of transport, vendor coordination	12
<b>5</b>	Timely supply – scheduling, vendor co ordination quality control, pre delivery Inspection, Quality assurance, on time in full (OTIF)	12
<b>References:</b>		
<ul style="list-style-type: none"> <li>• Heizer, J., Render, B., &amp; Munson, C. (2020). Operations management: Sustainability and supply chain management (13th ed.). Pearson.</li> </ul>		

- Christopher, M. (2016). Logistics and supply chain management (5th ed.). Pearson Education.
- Bartholdi, J. J., & Hackman, S. T. (2019). Warehouse & distribution science (2nd ed.). The University of California. Retrieved from <https://www.warehousedistributionscience.com>
- Wisner, J. D., Tan, K. C., & Leong, G. K. (2018). Principles of supply chain management: A balanced approach (6th ed.). Cengage Learning.
- O'Brien, M. F. (2004). Design and optimization of material handling systems. Pearson Prentice Hall.