

BANGALORE UNIVERSITY

B.Com. LOGISTICS & SUPPLY CHAIN MANAGEMENT (CBCS)

DEGREE SEMESTER SCHEME SYLLABUS 2017 – 2018

DEPARTMENT OF COMMERCE

Central College Campus, Bengaluru – 560 001.



REGULATIONS PERTAINING TO B.COM LOGISTICS & SUPPLY CHAIN MANAGEMENT (CBCS) DEGREE SEMESTER SCHEME 2017 - 18

I. OBJECTIVES:

- 1. To cater to the manpower needs of companies in Accounting, Taxation, Auditing, Financial analysis and Management.
- 2. To develop business analysts for companies, capital markets and commodity markets.
- 3. To prepare students to take up higher education to become business scientists, researchers consultants and teachers, with core competencies.
- 4. To develop human resources to act as think tank for Business Development related issues.
- 5. To develop entrepreneurs.
- 6. To develop business philosophers with a focus on social responsibility and ecological sustainability.
- 7. To develop IT enabled global middle level managers for solving real life business problems and addressing business development issues with a passion for quality competency and holistic approach.
- 8. To develop ethical managers with interdisciplinary approach.
- 9. To prepare students for professions in the field of Accountancy Chartered Accountancy, Cost and Management Accountancy, Company Secretary, Professions in Capital and Commodity Markets, Professions in life and non life insurance and professions in Banks by passing the respective examinations of the respective professional bodies.
- 10. Also to develop the students for competitive examinations of UPSC, KPSC, BSRB, Staff Selection Commission, etc.

II. ELIGIBILITY FOR ADMISSION:

Candidates who have completed Two year Pre – University course of Karnataka State or its equivalent with Business Studies and Accountancy as two major subjects of study in both first and second year pre-university are eligible for admission into this course.

III. DURATION OF THE COURSE:

The course of study is four (04) years of Eight Semesters. A candidate shall complete his/her degree within eight (08) academic years from the date of his/her admission to the first semester. However, students successfully complete Two (02) years of the course and leave the course, will be awarded Diploma in Commerce. Students successfully completes Three (03) years of the course will be awarded Bachelors Degree in Commerce (B.Com.). An option is provided to the students to continue the course to the Fourth year and those who successfully complete the Fourth year will be awarded Bachelors Degree in {B.Com, (Logistics & Supply Chain Management)}.

IV. MEDIUM OF INSTRUCTION

The medium of instruction shall be English. However, a candidate will be permitted to write the examination either in English or in Kannada.

V. CLASS ROOM STRENGTH OF STUDENTS

There shall be Maximum of 60 students in each section.

VI. ATTENDANCE:

- a. For the purpose of calculating attendance, each semester shall be taken as a Unit.
- b. A student shall be considered to have satisfied the requirement of attendance for the semester, if he/she has attended not less than 75% in aggregate of the number of working periods in each of the subjects compulsorily.
- c. A student who fails to complete the course in the manner stated above shall not be permitted to take the University examination.

VII. COURSE MATRIX

- (i) Annexure 1 for B.Com Course Matrix
- (ii) B.Com (Vocational) and BA (Restructured), the changes made in 2012-13 is retained

VIII. TEACHING AND EVALUATION:

M.Com/MBA/MFA/MBS graduates with B.Com, B.B.M, BBA& BBS as basic degree from a recognized university are only eligible to teach and to evaluate the subjects (excepting languages, compulsory additional subjects and core Information Technology related subjects) mentioned in this regulation. Languages and additional subjects shall be taught by the graduates as recognized by the respective board of studies.

VIII.SKILL DEVELOPMENT / RECORD MAINTENANCE AND SUBMISSION:

- a. Every college is required to establish a dedicated business lab for the purpose of conducting practical/on line assignments to be written in the record.
- b. In every semester, the student should maintain a Record Book in which a minimum of 5 exercises/programs per subject are to be recorded. This Record has to be submitted to the Faculty for evaluation at least 15 days before the end of each semester.

IX. SCHEME OF EXAMINATION:

- a. There shall be a university examination at the end of each semester. The maximum marks for the university examination in each paper shall be 70.
- b. Of the 30 marks of Internal Assessment, 20 marks shall be based on Two tests. Each test shall be of at least 01 hour duration to be held during the semester. The average of two tests shall be taken as the internal assessment marks. The remaining 10 marks of the Internal Assessment shall be based on Attendance and Skill Development Record of 05 marks each.
- c. The marks based on attendance shall be awarded as given below:

75% to 80% = 02 marks. 81% to 85% = 03 marks. 86% to 90% = 04 marks. 91% to 100% = 05 marks.

d. Marks for skill development shall be awarded by the faculty concerned based on Skill Development exercises provided in the syllabus of each paper. The student is required to prepare/workout the concerned exercises in a Record Book maintained by him/her and shall submit it the faculty concerned at least 15 days before the last date of the semester.

X. APPEARANCE FOR THE EXAMINATION:

a) A candidate shall apply for all the parts in each examination when he/she appears for the first time. A candidate shall be considered to have appeared for the examination only if he/she has

- submitted the prescribed application for the examination along with the required fees to the university.
- **b)** A candidate who has passed any language under Part-I shall be eligible to claim exemption from the study of the language if he/she has studied and passed the language at the corresponding level.
- **c**) Further, candidates shall also be eligible to claim exemption from studying and passing in those commerce subjects which he/she has studied and passed at the corresponding level, subject to the conditions stipulated by the university.
- **d**) A candidate who is permitted to seek admission to this degree course on transfer from any other University shall have to study and pass the subjects which are prescribed by the University. Such candidates shall not however, be eligible for the award of ranks.

XI. MINIMUM FOR A PASS:

Candidates who have obtained a minimum of 35% marks in university examination (i.e. 25 marks out of 70 marks of theory examination) and 40% in aggregate (i.e., total of university examination and internal assessment marks) in each subject shall be eligible for a pass or exemption in that subject.

XII. CLASSIFICATION OF SUCCESSFUL CANDIDATES:

- 1. The results of the First to Sixth semester degree examination shall be declared and classified separately as follows:
 - a. First Class: Those who obtain 60% and above of the total marks of parts I, II and III.
 - b. Second Class: Those who obtain 50% and above but less than 60% of total marks of parts I. II and III.
 - c. Pass Class: Rest of the successful candidates who secure 40% and above but less than 50% of marks in part I, II and III.
- **2.** Class shall be declared on the basis of the aggregate marks obtained by the candidates in this degree course (excluding languages (part I) and non-core subjects (Part III)) as a whole. However, only those candidates who have passes each semester university examination in the first attempt only shall be eligible for award of ranks. The first ten ranks only shall be notified.

XIII. MEDALS AND PRIZES:

No candidates passing an external examination shall be eligible for any scholarship, fellowship, medal, prize or any other award.

XIV. TERMS AND CONDITIONS:

- a) A candidate is allowed to carry all the previous un-cleared papers to the subsequent semester/semesters.
- b) Such of those candidates who have failed/remained absent for one or more papers henceforth called as repeaters, shall appear for exam in such paper/s during the three immediately succeeding examinations. There shall be no repetition for internal assessment test.
- c) The candidate shall take the examination as per the syllabus and the scheme of examination in force during the subsequent appearances.

XV. PATTERN OF QUESTION PAPER:

Each theory question paper shall carry 70 marks and the duration of examination is 3 hours. The

Question paper shall ordinarily consist of three sections, to develop testing of conceptual skills, understanding skills, comprehension skills, articulation and application of skills. The question paper setter shall be asked to prepare TWO sets of papers with a maximum of 10% repetition. The Question Paper will be as per the following Model:

SECTION-A 1. a,b,c,d,e,f,g,	(Conceptual questions) Answer any Five	(05 X 02 = 10 Marks)
SECTION -B: 2,3,4,5,6.	(Analytical questions) Answer any Three	(03 X 06 = 18 Marks)
SECTION-C: 7,8,9,10,11.	(Essay type questions) Answer any THREE	(03 X 14 = 42 Marks)
	Total	70 Marks

XVI. PROVISION FOR IMPROVEMENT OF RESULTS:

The candidate shall be permitted to improve the results of the whole examination or of any Semester or a subject within the prescribed time by the university after the publication of the results. This provision shall be exercised only once during the course and the provision once exercised shall not be revoked. The application for improvement of results shall be submitted to the Registrar (Evaluation) along with the prescribed fee.

XVII. REMOVAL OF DIFFICULTY AT THE COMMENCEMENT OF THESE REGULATIONS:

If any difficulty arises while giving effect to the provision of these Regulations, the Vice Chancellor may in extraordinary circumstances, pass such orders as he may deem fit.

BANGALORE UNIVERSITY B.COM LOGISTICS & SUPPLY CHAIN MANAGEMENT (CBCS) SEMESTER SCHEME -- 2017 -18 COURSE MATRIX

I SEMESTER

	Cubicata	Donor	Danar	Paper Instruction	Duration of	Marks			Cuadita
	Subjects	Paper	hrs/week	Exam(hrs)	IA	Exam	Total	Credits	
Part 1 Languages	Language - I: Kannada/Sanskrit/Urdu/Tamil/ Telugu/Malayalam/Additional English / Marathi/ Hindi	1.1	4	3	20	80	100	2	
	Language – II : English	1.2	4	3	20	80	100	2	
	Financial Accounting	1.3	4	3	30	70	100	2	
Part 2	Indian Financial System	1.4	4	3	30	70	100	2	
Optional	Marketing and Services Management	1.5	4	3	30	70	100	2	
	Introduction to Logistics and Supply Chain Management	1.6	4	3	30	70	100	2	
Part 3	Foundation Course*		3	3	20	80	100	2	
	CC & EC*				50		50	1	
	To	otal Credi	ts					15	

II SEMESTER

	Cubicata	Donor	Paper Instruction hrs/week	Duration		G 114		
	Subjects	Paper		of Exam(hrs)	IA	Exam	Total	Credits
Part 1 Languages	Language - I: Kannada/Sanskrit/Urdu/Tamil/ Telugu/Malayalam/Additional English / Marathi/ Hindi	2.1	4	3	20	80	100	2
	Language – II : English	2.2	4	3	20	80	100	2
	Advanced Financial Accounting	2.3	4	3	30	70	100	2
Part 2	Retail Management	2.4	4	3	30	70	100	2
Optional	Banking Law and Operations	2.5	4	3	30	70	100	2
	Quantitative Analysis for Business Decisions – I	2.6	4	3	30	70	100	2
Part 3	Foundation Course*		3	3	20	80	100	2
	CC & EC*				50		50	1
	Total Credits							

III SEMESTER

	Cultinate	Paper Instruction of		Duration		Credits		
	Subjects	Paper	hrs/week	Exam(hrs)	IA	Exam	Total	Credits
Part 1 Language	Language: I Kannada/Sanskrit/Urdu/Tamil/ Telugu/Malayalam/Additional English / Marathi/ Hindi	3.1	4	3	30	70	100	2
	Language – II:English	3.2	3	3	30	70	100	2
	Corporate Accounting	3.3	4	3	30	70	100	2
	Financial Management	3.4	4	3	30	70	100	2
Part 2	Business Ethics	3.5	4	3	30	70	100	2
Optional	Quantitative Analysis for Business Decisions –II	3.6	4	3	30	70	100	2
	Public Relations and Corporate Communication	3.7	3	3	30	70	100	2
Dont 2	Foundation Course*		3	3	30	70	100	2
Part 3	CC & EC*				50		50	1
	To	tal Cred	its					17

IV SEMESTER

	Cubicata	Dana	Paner Instruction	Duration of	Marks			Cuadita
	Subjects	Paper	hrs/week	Exam(hrs)	IA	Exam	Total	Credits
Part 1 Language	Language - I: Kannada/Sanskrit/Urdu/Tamil/ Telugu/Malayalam/Additional English / Marathi/ Hindi	4.1	4	3	30	70	100	2
	Language – II: English	4.2	3	3	30	70	100	2
	Advanced Corporate Accounting	4.3	4	3	30	70	100	2
	Cost Accounting	4.4	4	3	30	70	100	2
Part 2 Optional	E-Business and Accounting	4.5	4	3	30	70	100	2
1	Stock and Commodity Markets	4.6	4	3	30	70	100	2
	Principles of Event Management	4.7	3	3	30	70	100	2
Don't 2	Foundation Course*		3	3	30	70	100	2
Part 3	CC & EC*				50		50	1
	T	otal Cred	its					17

V SEMESTER

	Cubicata	Domon	Instruction	Duration		Credits		
	Subjects	Paper	hrs/week	of Exam(hrs)	IA	Exam	Total	Credits
	Entrepreneurship Development	5.1	4	3	30	70	100	3
	International Financial Reporting Standards	5.2	4	3	30	70	100	3
Part 2	Income Tax – I	5.3	4	3	30	70	100	3
Optional	Costing Methods	5.4	4	3	30	70	100	3
	Business Environment for Logistics & Supply Chain	5.5	4	3	30	70	100	3
	Sourcing for Logistics & Supply Chain	5.6	4	3	30	70	100	3
Part 3	SDC		3	3	30	70	100	2
		Total Cred	lits					20

VI SEMESTER

	Cubicata	Paper	Donor	Instruction	Duration		Marks	Credits
	Subjects	Paper	hrs/week	of Exam(hrs)	IA	Exam	Total	
	Business Regulations	6.1	4	3	30	70	100	3
	Principles and Practice of Auditing	6.2	4	3	30	70	100	3
Part 2	Income Tax – II	6.3	4	3	30	70	100	3
Optional	Management Accounting	6.4	4	3	30	70	100	3
	Contract & Business Negotiation for Purchasing & Supply	6.5	4	3	30	70	100	3
	Managing Procurement Contracts & Relationship	6.6	4	3	30	70	100	3
Part 3	SDC		3	3	30	70	100	2
	7	Total Cred	lits	·				20

1. Foundation, Skill Development or Interdisciplinary Courses (Foundation Course*)

(Common for all programmes):

- Constitution of Indian and Human Rights
- Environment and Public Health
- Computer Applications and Information Technology
- Business Entrepreneurship and Management
- Philosophy, Psychology and Life Skills
- Personality Development and Leadership / Integrating Mind, Body and Heart
- Indian History, Culture and Diversity
- Research Methodology
- Education and Literacy / Science and Life
- Human Resource Development .Management
- One of the Foreign Languages such as German, French etc.
- Any other Course prescribed by the University from time to time
- Commodity & Stock Market
- Mathematics in finance.

2. Co-and Extra – Curricular Activities (CC& EC*)

A student shall opt for any one of the following activities in the first four semesters offered in the college

- N.S.S / N.C.C./Rotary Activities / Rovers and Rangers
- Sports and Games / Activities related to Yoga
- A Small project work concerning the achievements of Indian in different fields
- Evolution of study groups/seminar circles on Indian thoughts and ideas
- Interaction with local communities in their neighborhood and learn about and from them
- Exploring different aspects of Indian civilizations
- Other activities such as Cultural Activities as prescribed by the University.

Evaluation of Co-and Extra Curricular Activities is as per the procedure evolved by the University from time to time.

1.3- FINANCIAL ACCOUNTING

OBJECTIVE:

The objective of this subject is to acquaint students with the accounting concepts, tools and techniques influencing Business Organizations.

Unit 1: INTRODUCTION TO FINANCIAL ACCOUNTING

08 Hrs

Introduction – Meaning and Definition – Objectives of Accounting – Functions of Accounting – Users of Accounting Information – Limitations of Accounting – Accounting Principles – Accounting Concepts and Accounting Conventions- Accounting Standards: List of Indian Accounting Standards.

Unit 2: CONVERSION OF SINGLE ENTRY INTO DOUBLE ENTRY SYSTEM 12 Hrs

Single entry system- Meaning – Features – Merits – Demerits – Types. Conversion into Double Entry system – Need for Conversion – Preparation of Statement of Affairs – Cashbook – Memorandum Trading Account – Total Debtors Account – Total Creditors Account – Bills Receivable Account – Bills Payable Account – Trading and Profit & Loss Account and Balance Sheet.

Unit 3: HIRE PURCHASE SYSTEM

12 Hrs

Meaning of Hire Purchase and Installment Purchase System- difference between Hire Purchase and Installment Purchase – Important Definitions – Hire Purchase Agreement – Hire Purchase Price – Cash Price – Hire Purchase Charges – Net Hire Purchase Price – Net Cash Price – Calculation of Interest – Calculation of Cash Price – Journal Entries and Ledger Accounts in the books of Hire Purchaser and Hire Vendor (Asset Accrual Method only).

Unit 4: ROYALTY ACCOUNTS

12 Hrs

Meaning and definition – Technical Terms – Royalty – Landlord – Tenant – Minimum Rent – Short Workings – Recoupment of Short Working under (Fixed Period) restrictive and non-restrictive (Floating Period) Recoupment within the Life of the Lease – Treatment of Strike and Stoppage of work – Accounting Treatment in the books of Lessee and lessor – journal entries and Ledger Accounts including minimum rent account.

Unit 5: CONVERSION OF PARTNERSHIP FIRM INTO A LIMITED COMPANY 12 Hrs

Meaning – Need for conversion - Purchase Consideration – Mode of Discharge of Purchase Consideration – Methods of calculation of Purchase Consideration – Net Payment Method – Net Assets Method – Journal Entries and Ledger Accounts in the books of Vendor – Treatment of items: Dissolution Expenses, Unrecorded Assets and Liabilities, Assets and Liabilities not taken over by the Purchasing Company, Contingent liabilities, Incorporation entries and preparation of balance sheet of the purchasing company under vertical format.

SKILL DEVELOPMENT

- List out various accounting concepts and conventions (GAAP)
- List out Various Accounting Standards
- Collection & recording of Royalty agreement with regard to any suitable situation.
- Collection and recording of Hire Purchase Agreement.
- Ascertainment of Cash Price and Interestwith imaginary figures under Hire Purchase System.

- 1. Arulanandam & Raman Financial Accounting I, HPH
- 2. Jawaharlal & Seema Srivastava :Financial Accounting, HPH
- 3. Dr. S.N. Maheswari: Financial Accounting, Vikas Publications
- 4. S P Jain and K. L. Narang: Financial Accounting- I, Kalyani Publishers
- 5. S. Jayapandian: Financial Accounting from Zero.
- 6. Radhaswamy and R.L. Gupta: Advanced Accounting, Sultan Chand
- 7. Guruprasad Murthy: Financial Accounting, HPH
- 8. Soundarrajan & K. Venkataramana, Financial Accounting, SHBP.
- 9. Dr. Venkataraman & others (7 lecturers): Financial Accounting, VBH
- 10. Dr. Alice Mani: Financial Accounting, SBH.

1.4 INDIAN FINANCIAL SYSTEM

OBJECTIVE

The objective of this subject is to familiarize the students with regard to structure, organization and working of financial system in India.

Unit 1: FINANCIAL SYSTEM

12 Hrs

Introduction – Meaning – Classification of Financial System. Financial Markets – Functions and Significance of Primary Market, Secondary Market, Capital Market, & Money Market.

Unit 2: FINANCIAL INSTITUTIONS

14 Hrs

Types of Banking and Non-Banking Financial Institutions. Constitution, objectives & functions of IDBI, SFCs, SIDCs, LIC, EXIM Bank. Mutual Funds – features and types.

Unit 3: COMMERCIAL BANKS

10 Hrs

Introduction – Role of Commercial Banks – Functions of Commercial Banks – Primary Functions and Secondary Functions – Investment Policy of Commercial Banks. Narasimaham committee report on banking sector reforms.

Unit 4: REGULATORY INSTITUTIONS

10 Hrs

Reserve Bank of India (RBI) – Organization – Objectives – Role and Functions. The Securities Exchange Board of India (SEBI) – Organization and Objectives.

Unit 5: FINANCIAL SERVICES

10 Hrs

Meaning& Definition – Features – Importance. Types of Financial Services – factoring, leasing, venture capital, Consumer finance - housing & vehicle finance.

SKILL DEVELOPMENT

- Draft a chart showing the financial services in the Indian Financial System.
- List the Instruments traded in the Financial Markets.
- Draft the application forms for opening a Fixed, Current and Savings Bank Accounts.
- Collection and recording for Foreign Exchange rates of different currencies Vis-à-vis Rupee.
- Specimen of Debit and Credit cards.
- Specimen of Cheque with MICR technology.

- 1. Vasantha Desai: The Indian Financial System, HPH
- 2. G. Ramesh Babu; Indian Financial System. HPH
- 3. Dr. Bharatish Rao, B.R. Bharghavi Indian Financial System, VBH
- 4. Meir Kohn: Financial Institutions and Markets, Tata McGraw Hill
- 5. Dr. Alice Mani: Indian Financial System, SBH.
- 6. L M Bhole: Financial Institutions and Markets, Tata Mc Graw Hill
- 7. M Y Khan: Indian Financial System, TMH
- 8. A Datta; Indian Financial System, Excel Books
- 9. D.K. Murthy and Venugopal: Indian Financial System I.K. International Publishers
- 10. P N Varshney & D K Mittal: Indian Financial System, Sulthan Chand & Sons
- 11. E Gardon & K Natarajan: Financial Markets & Services, HPH
- 12. S.C. Sharma and Monica: Indian Financial System I.K. International Publishers
- 13. K. Venkatramana, Indian Financial System, SHBP.

1.5 MARKETING AND SERVICES MANAGEMENT

OBJECTIVE:

The objective is to familiarize the students with the principles of marketing and focus them towards Marketing and Management of Services

Unit 1: INTRODUCTION TO MARKETING

10Hrs

Meaning and definition - Goals - Concepts of Marketing - Approaches to Marketing - Functions of Marketing. Recent Trends in Marketing - e-business - Tele-marketing - M-Business - Green Marketing - Retailing, Relationship Marketing - Customer Relationship Management.

Unit 2: MARKETING ENVIRONMENT

12Hrs

Meaning – demographic- economic – natural – technological – political – legal – socio cultural environment. Market Segmentation and Consumer Behaviour - Meaning & Definition - Bases of Market Segmentation – Consumer Behaviour – Factors influencing Consumer Behaviour.

Unit 3: MARKETING MIX

16Hrs

Meaning – elements – PRODUCT – product mix, product line – product life cycle – product planning – new product development – branding - packing and packaging. PRICING – factors influencing pricing, methods of pricing (only Meaning), and pricing policy - PHYSICAL DISTRIBUTION, Meaning, factors affecting channels, types of marketing channels, PROMOTION – Meaning and significance of promotion – personal selling and advertising.

Unit 4: INTRODUCTION TO SERVICES MANAGEMENT

10Hrs

Meaning of services – characteristics of services – classification of services – marketing mix in service industry – growth of service sector in India. Service processes – Designing the service process – service blueprint – back office & front office process.

UNIT 5: SERVICE SECTOR MANAGEMENT

08 Hrs

Tourism and Travel Services – concept, nature, significance and marketing. Health Care services – concept, nature, significance and marketing. Educational services - concept, nature, significance and marketing.

SKILL DEVELOPMENT

- Identify the product of your choice and describe in which stage of the product life cycle it is positioned.
- Suggest strategies for development of a new product.
- Study of Consumer Behaviour for a product of your choice.
- Develop an Advertisement copy for a product.
- Prepare a chart for distribution network for different products.

- 1. Dr. Shajahan. S; Service Marketing (Concept, Practices & Cases); Himalaya Publishing House; Mumbai; First Edition Financial Service in India.
- 2. Philip Kotler Marketing Management, PHI
- 3. Rekha. M.P. & Vibha V Marketing & Services Mgt VBH.
- 4. Sunil B. Rao Marketing & Services Mgt HPH.
- 5. Dr. Alice Mani: Marketing & Services Management, SBH.
- 6. J.C. Gandhi Marketing Management, TMH
- 7. Stanton W.J. etzal Michael & Walker, Fundamentals of Management, TMH

- 8. Jayachandran; Marketing Management. Excel Books.
- 9. K. Venkatramana, Marketing Management, SHBP.
- 10. P N Reddy & Appanniah, Essentials of Marketing Management, HPH
- 11. Sontakki, Marketing Management, HPH
- 12. Cengiz Haksever etal 'Service Management and Operations'; Pearson Education.
- 13. Ramesh and Jayanthi Prasad: Marketing Management I.K. International Publishers
- 14. K. Karunakaran; Marketing Management, HPH.
- 15. Davar: Marketing Management.

1.6. INTRODUCTION TO LOGISTICS AND SUPPLY CHAIN MANAGEMENT

OBJECTIVE

Unit – 1: INTRODUCTION TO SUPPLY CHAIN MANAGEMENT

08 Hrs

Meaning, Definitions, Features, Functions, Objectives & Significance of Logistics. Meaning and Definitions of Supply Chains, Supply Chain Management and Supply Chain Networks.

UNIT – 2 PROCUREMENT

16 Hrs

Meaning and Definitions of Procurement, Purchasing and Supply. Distinctions between procurement and purchasing. Organizational costs involved in procurement of goods and services. Stock & Non Stock procurements. Direct & Indirect Procurements. Capital & Operational Expenditures. Service Procurements.

UNIT – 3 SOURCING 12 Hrs

Meaning and Definitions of Sourcing. Generic Sourcing Process. Stages of Generic Sourcing Process. Distinctions between pre-contract and post-contract award stages. Structured Sourcing Process. Need for Structured Sourcing Process.

UNIT – 4 PROCUREMENT POLICIES

12 Hrs

Policies and Procedures for Procurement. Procurement Strategies. Procurement Manuals. Levels of delegated authority, Invoice clearance and payment. Structures of Procurement function – consortium structures, shared services, lead buyer structures, outsourced structures.

UNIT - 5 PROCUREMENT TECHNOLOGY

08 Hrs

IT systems in procurement – e-requisitioning, e-catalogues, e-ordering, e-sourcing, e-payment technologies and their impact on purchase to pay (P2P) systems. Enterprise Resource Planning (ERP) technologies. Codes of ethics in procurement - The CIPS code of ethics.

SKILL DEVELOPMENT

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Reference Books:

- 1. S. Chopra and P. Meindl, Supply Chain Management, Prentice Hall, 2010 (4th Edition)
- 2. Rahul V. Altekar, 'Supply Chain Management- Concepts and Cases'; Prentice Hall of India, Latest edition
- 3. R.B. Handfield and E.L. Nochols, Jr. Introduction to Supply Chain Management. Prentice Hall, 1999
- 4. Sunil Chopra and Peter Meindel. Supply Chain Management: Strategy, Planning, and Operation, Prentice Hall of India, 2002
- 5. Donald Waters, Logistics An Introduction to Supply Chain Management, PALGRAVE MACMILLAN, New York
- 6. Dr. Martin Khan, Sales & Distribution Management
- 7. Sunil Chopra & Peter Meinden, Supply Chain Management

2.3 ADVANCED FINANCIAL ACCOUNTING

OBJECTIVE:

The objective of this subject is to acquaint the students with the few accounting standards and make them familiar with the accounting procedures for different types of business.

Unit 1: INSURANCE CLAIMS

12 Hrs

Introduction – Need – Loss of Stock Policy – Steps for ascertaining Fire insurance claim – Treatment of Salvage – Average Clause – Treatment of Abnormal Items – Computation of Fire insurance claims.

Unit 2: CONSIGNMENT ACCOUNTS

12 Hrs

Introduction – Meaning – Consignor – Consignee – Goods Invoiced at Cost Price – Goods Invoiced at Selling Price – Normal Loss – Abnormal Loss – Valuation of Stock – Stock Reserve – Journal Entries – Ledger Accounts in the books of Consignor and Consignee.

Unit 3: ACCOUNTING FOR JOINT VENTURES

12 Hrs

Introduction – Meaning – Objectives – Distinction between joint venture and consignment – Distinction between joint venture and partnership – maintenance of accounts in the books of coventurers – maintaining separate books for joint venture – preparation of memorandum joint venture – problems.

Unit 4: BRANCH ACCOUNTS

10 Hrs

Introduction – Meaning – Objectives – Types of Branches - Dependent Branches – Features – Supply of Goods at Cost Price - Invoice Price – Branch Account in the books of Head Office (Debtors System Only).

Unit 5: DEPARTMENTAL ACCOUNTS

10 Hrs

Meaning, Objectives, basis of allocation of expenses, Trading and Profit and Loss Account in Columnar form – (Excluding Inter Departmental Transfers at invoice price)

SKILL DEVELOPMENT

- Preparation of a claim statement with imaginary figures to submit to Insurance Company.
- Collection of transactions relating to any branch and prepare a branch account.
- List out the basis of Allocation of Departmental Expenses.
- Preparation of Consignment account with imaginary figures
- Preparation of Joint accounts with imaginary figures

- 1. Arulanandam & Raman; Advanced Accountancy, HPH
- 2. Anil Kumar Advanced Financial Accounting HPH
- 3. Dr. Alice Mani: Advanced Financial Accenting, SBH.
- 4. Dr. S.N. Maheswari, Financial Accounting, Vikas Publication
- 5. S P Jain and K. L. Narang, Financial Accounting, Kalyani Publication
- 6. Souandrajan & K. Venkataramana, Financial Accounting, SHBP.
- 7. A Bannerjee; Financial Accounting.
- 8. Radhaswamy and R.L. Gupta, Advanced Accounting, Sultan Chand
- 9. M.C. Shukla and Grewel, Advaced Accounting, S Chand

2.4 RETAIL MANAGEMENT

OBJECTIVE

The objective is to enable students to acquire skills in Retail Management.

Unit 1: INTRODUCTION TO RETAIL BUSINESS

10 Hrs.

Definition – functions of retailing – types of retailing – forms of retail business ownership. Retail theories – Wheel of Retailing – Retail life cycle. Retail business in India: Influencing factors – present Indian retail scenario. International perspective in retail business.

Unit 2: CONSUMER BEHAVIOUR IN RETAIL BUSINESS

12 Hrs.

Buying decision process and its implication on retailing – Influence of group and individual factors, Customer shopping behaviour, Customer service and customer satisfaction. Retail planning process: Factors to consider in preparing a business plan – implementation – risk analysis.

Unit 3: RETAIL OPERATIONS

10 Hrs.

Factors influencing location of Store - Market area analysis - Trade area analysis - Rating Plan method - Site evaluation. Retail Operations: Stores Layout and visual merchandising, Stores designing, Space planning, Inventory management, Merchandise Management, Category Management.

Unit 4: RETAIL MARKETING MIX

16 Hrs.

Introduction -Product: Decisions related to selection of goods (Merchandise Management revisited) – Decisions related to delivery of service. Pricing: Influencing factors – approaches to pricing – price sensitivity - Value pricing – Markdown pricing. Place: Supply channel – SCM principles – Retail logistics – computerized replenishment system – corporate replenishment policies. Promotion: Setting objectives – communication effects - promotional mix. Human Resource Management in Retailing – Manpower planning – recruitment and training – compensation – performance appraisal Methods.

Unit 5: IMPACT OF INFORMATION TECHNOLOGYIN RETAILING 08 Hrs.

Non store retailing (e-retailing) - The impact of Information Technology in retailing - Integrated systems and networking - EDI - Bar coding - Electronic article surveillance - Electronic shelf labels - customer database management system. Legal aspects in retailing, Social issues in retailing, Ethical issues in retailing.

SKILL DEVELOPMENT

- Draw a retail life cycle chart and list the stages
- Draw a chart showing a store operations
- List out the major functions of a store manager diagrammatically
- List out the current trends in e-retailing
- List out the Factors Influencing in the location of a New Retail outlet.

- 1. Suja Nair; Retail Management, HPH
- 2. Karthic Retail Management, HPH
- 3. S.K. Poddar& others Retail Management, VBH.
- 4. R.S Tiwari; Retail Management, HPH

- 5. Barry Bermans and Joel Evans: "Retail Management A Strategic Approach", 8th edition, PHI/02
- 6. A.J.Lamba, "The Art of Retailing", 1st edition, Tata Mc GrawHill, New Delhi, 2003.
- 7. Swapna Pradhan: Retailing Management, 2/e, 2007 & 2008, TMH
- 8. K. Venkataramana, Retail Management, SHBP.
- 9. James R. Ogden & Denise T.: Integrated Retail Management
- 10. A Sivakumar: Retail Marketing, Excel Books
- 11. Ogden: Biztantra, 2007
- 12. Levy & Weitz: Retail Management -TMH 5th Edition 2002
- 13. Rosemary Varley, Mohammed Rafiq-: Retail Management
- 14. Chetan Bajaj: Retail Management -Oxford Publication.
- 15. Uniyal &Sinha: Retail Management Oxford Publications.
- 16. Araif Sakh; Retail Management

2.5 BANKING LAW AND OPERATIONS

OBJECTIVE

The objective is to familiarize the students with the law and operations of Banking.

Unit 1: NEGOTIABLE INSTRUMENTS

10 Hrs

Introduction – Meaning & Definition – Features – Kinds of Negotiable Instruments: Meaning, Definition & Features of Promissory Notes, Bills of Exchange, Cheques - Crossing of Cheques – Types of Crossing – Endorsements: Meaning, Essentials & Kinds of Endorsement.

Unit 2: BANKER AND CUSTOMER RELATIONSHIP

10 Hrs

Introduction – Meaning of Banker – Bank - Meaning of Customer – General & Special Relationships.

Unit 3: BANKING OPERATIONS

18 Hrs

Collecting Banker: Meaning – Duties & Responsibilities of Collecting Banker – Holder for Value – Holder in Due Course - Statutory Protection to Collecting Banker

Paying Banker: Meaning – Precautions – Statutory Protection to the Paying Banker – Dishonor of Cheques – Grounds of Dishonor – Consequences of wrongful dishonor of Cheques.

Lending Operations: Principles of Bank Lending – Kinds of lending facilities such as Loans, Cash Credit, Overdraft, Bills Discounting, Letters of Credit – NPA: Meaning, circumstances & impact – regulations of priority lending for commercial banks.

Unit 4: CUSTOMERS AND ACCOUNT HOLDERS

12Hrs

Types of Customers and Account Holders - Procedure and Practice in opening and operating accounts of different customers including Minors - Meaning & Operations of Joint Account Holders, Partnership Firms, Joint Stock companies, Executors and Trustees, Clubs and Associations and Joint Hindu Undivided Family.

Unit 5: BANKING INNOVATIONS

06 Hrs

New technology in Banking – E-services – Debit and Credit cards. Internet Banking, ATM, Electronic Fund Transfer, MICR, RTGS, NEFT, DEMAT.

SKILL DEVELOPMENT:

- Collect and fill account opening form of SB A/c or Current A/c
- Collect and fill pay in slip of SB A/c or Current A/c.
- Draw specimen of Demand Draft.
- Draw different types of endorsement of cheques.
- Draw specimen of Travellers Cheques / Gift cheques / Credit cheques.
- List various customer services offered by atleast 2 banks of your choice.

- 1. Gordon & Natarajan: Banking Theory Law and Practice, HPH
- 2. S. P Srivastava; Banking Theory & Practice, Anmol Publications
- 3. M. Prakhas, Bhargabhi R: Banking law & Operation, Vision Book House.
- 4. Tannan M.L: Banking Law and Practice in India, Indian Law House
- 5. Sheldon H.P: Practice and Law of Banking.
- 6. K. Venkataramana, Banking Operations, SHBP.
- 7. Kothari N. M: Law and Practice of Banking.
- 8. Neelam C Gulati: Principles of Banking Management.
- 9. Maheshwari. S.N.: Banking Law and Practice, Vikas Publication
- 10. Shekar. K.C: Banking Theory Law and Practice, Vikas Publication.
- 11. S. Vipradas & j. K Syan: Bank Lending
- 12. Gajendra & Poddar: Law and Practice of Banking
- 13. Dr. Alice Mani: Banking Law and Operation, SBH.

2.6 QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS-I

OBJECTIVE

The objective is to provide basic knowledge of statistics and their application to business situations.

Unit 1: INTRODUCTION TO STATISTICS

03Hrs

Meaning and Definition – Functions – Scope – Limitations.

Unit 2: CLASSIFICATION AND TABULATION OF DATA

08 Hrs

Collection of data - census and sample techniques. Classification of data, preparation of frequency distribution and tabulation of data.

Unit 3: MEASURES OF CENTRAL TENDENCY

20Hrs

Meaning and Definition Types of averages – Arithmetic Mean (Simple and Weighted), Median, Mode (excluding missing frequency problems). Graphical representation of median and mode – Ogive– curve, histogram, smoothed frequency curve and frequency polygon.

Unit 4: MEASURES OF DISPERSION AND SKEWNESS

15 hrs

Meaning & Definition -Range, Quartile Deviation, Mean Deviation Standard Deviation and Coefficient of Variation. Skewness: Meaning, uses, and problems on Karl Pearson's' Co-efficient of skewness.

Unit 5: INDEX NUMBERS

10 Hrs

Meaning & Definition – Uses – Classification – Construction of Index Numbers – Methods of constructing Index Numbers – Simple Aggregative Method – Simple Average of Price Relative Method – Weighted index method – Fisher's Ideal method (including TRT & FRT) – Consumer Price Index – Problems.

SKILL DEVELOPMENT

- Draw a blank table showing different attributes
- Collect marks scored 50 students in a examinations and prepare a frequency distributions table
- Collect data relating to prices of shares of two companies for ten days and ascertain which companies shares prices is more stable
- Collect the run scored by the two batsmen in ten one day international cricket matches, find who is better run getter and who more consistence.
- Select 10 items of daily-consumed products and collect base year quantity, base year price and current year price. Calculate Cost of Living Index.

- 1. Anand Sharma: Statistics For Management, HPH
- 2. S P Gupta: Statistical Methods- Sultan Chand, Delhi
- 3. D.P Apte; Statistical Tools for Managers.
- 4. Dr. B N Gupta: Statistics (Sahityta Bhavan), Agra.
- 5. S.C Gupta: Business Statistics, HPH
- 6. N.V.R Naidu: Operation Research I.K. International Publishers
- 7. Ellahance : Statistical Methods, Kitab Mehel.
- 8. Sanchethi and Kapoor: Business Mathematics, Sultan Chand
- 9. Veerachamy: Operation Research I.K. International Publishers
- ${\bf 10.\,S.\,Jayashankar:\,Quantitative\,\,Techniques\,\,for\,\,Management.}$
- 11. Chikoddi & Satya Prasad: Quantitative Analysis for Business Decision, HPH
- 12. Dr. Alice Mani: Quantitative Analysis for Business Decisions I, SBH.

3.3 CORPORATE ACCOUNTING

OBJECTIVE

The objective of this subject is to enable the students to have a comprehensive awareness about the provisions of the Company's Act and Corporate Accounts.

Unit 1: UNDERWRITING OF SHARES

08 Hrs

Meaning – Underwriting Commission – Underwriter – functions - Advantages of Underwriting, Types of Underwriting – Marked and Unmarked Applications – Problems (Excluding Journal entries).

Unit 2: PROFIT PRIOR TO INCORPORATION

12 Hrs

Meaning – calculation of sales ratio – time ratio – weighted ratio – treatment of capital and revenue expenditure – Ascertainment of pre-incorporation and post-incorporation profits by preparing Profit and Loss Account and Balance Sheet.

Unit 3: VALUATION OF GOODWILL

08 Hrs

Meaning – Circumstances of Valuation of Goodwill – Factors influencing the value of Goodwill – Methods of Valuation of Goodwill: Average Profit Method, Super Profit Method, Capitalization of average Profit Method, Capitalization of Super Profit Method, and Annuity Method - Problems.

Unit 4: VALUATION OF SHARES

08 Hrs

Meaning – Need for Valuation – Factors Affecting Valuation – Methods of Valuation: Intrinsic Value Method, Yield Method, Earning Capacity Method, Fair Value of shares. Rights Issue and Valuation of Rights Issue - Problems.

Unit 5: COMPANY FINAL ACCOUNTS

20 Hrs

Statutory Provisions regarding preparation of Company Final Accounts –Treatment of Special Items – Tax deducted at source – Advance payment of Tax – Provision for Tax – Depreciation – Interest on debentures – Dividends – Rules regarding payment of dividends – Transfer to Reserves – Preparation of Profit and Loss Account and Balance Sheet in vertical form (As per 2011 revised format)

SKILL DEVELOPMENT

- Collect and fill the share application form of a limited Company.
- Collect Prospectus of a company and identify its salient features.
- Collect annual report of a Company and List out its assets and Liabilities.
- Collection of latest final accounts of a company and find out the intrinsic value of shares
- Collect the annual reports of company and calculate the value of goodwill under different methods

- 1. Arulanandam & Raman; Corporate Accounting –II
- 2. Anil Kumar Financial Accounting, HPH
- 3. Dr. S.N. Maheswari, Financial Accounting.
- 4. Soundarajan. A & K. Venkataramana, Corporate Accounting, VBH.
- 5. S. P. Jain and K. L. Narang Corporate Accounting
- 6. S. Bhat-Corporate Accounting.
- 7. S P Iyengar, Advanced Accountancy, Sultan Chand
- 8. R L Gupta, Advanced Accountancy.
- 9. Shukla and Grewal Financial Accounting.

3.4 FINANCIAL MANAGEMENT

OBJECTIVE

The objective is to enable students to understand the basic concepts of Financial Management and the role of Financial Management in decision-making.

Unit 1: INTRODUCTION FINANCIAL MANAGEMENT

10 Hrs

Introduction – Meaning of Finance – Business Finance – Finance Function – Aims of Finance Function – Organization structure of Finance Department - Financial Management – Goals of Financial Management – Financial Decisions – Role of a Financial Manager – Financial Planning – Steps in Financial Planning – Principles of Sound Financial Planning – Factors influencing a sound financial plan.

Unit 2: TIME VALUE OF MONEY

12 Hrs

Introduction – Meaning& Definition – Need – Future Value (Single Flow – Uneven Flow & Annuity) – Present Value (Single Flow – Uneven Flow & Annuity) – Doubling Period – Concept of Valuation: Valuation of Bonds, Debentures and shares - Simple Problems.

Unit 3: FINANCING DECISION

12 Hrs

Introduction – Meaning of Capital Structure – Factors influencing Capital Structure – Optimum Capital Structure – Computation & Analysis of EBIT, EBT, EPS – Leverages. Simple Problems.

Unit 4: INVESTMENT & DIVIDEND DECISION

16 Hrs

Investment Decision: Introduction – Meaning and Definition of Capital Budgeting – Features – Significance – Process – Techniques: Payback Period, Accounting Rate of Return, Net Present Value, Internal Rate of Return and profitability index Simple Problems. Dividend Decision: Introduction – Meaning and Definition – Determinants of Dividend Policy – Types of Dividends – Bonus share

Unit 5: WORKING CAPITAL MANAGEMENT

06 Hrs

Introduction – Concept of Working Capital – Significance of Adequate Working Capital – Evils of Excess or Inadequate Working Capital – Determinants of Working Capital – Sources of Working Capital.

SKILL DEVELOPMENT

- Draw the organization chart of Finance Function of a company.
- Evaluate the NPV of an investment made in any one of the capital projects with imaginary figures for 5 years.
- Capital structure analysis of companies in different industries
- Imaginary figures prepare an estimate of working capital requirements

- 1. S N Maheshwari, Financial Management, Sultan Chand
- 2. Dr. Aswathanarayana.T Financial Management, VBH
- 3. K. Venkataramana, Financial Management, SHBP.
- 4. G. Sudarshan Reddy, Financial Management, HPH
- 5. Roy Financial Management, HPH
- 6. Khan and Jain, Financial Management, TMH
- 7. S. Bhat-Financial Management.
- 8. Sharma and Sashi Gupta, Financial Management, Kalyani Publication.
- 9. I M Pandey, Financial Management. Vikas Publication.
- 10. Prasanna Chandra, Financial Management, TMH
- 11. P.K Simha Financial Management.
- 12. M. Gangadhar Rao & Others, Financial management
- 13. Dr. Alice Mani: Financial Management, SBH.

3.5BUSINESS ETHICS

OBJECTIVE

The objective is to provide basic knowledge of business ethics and values and its relevance in modern context.

Unit 1: BUSINESS ETHICS

12 Hrs

Introduction – Meaning - Scope – Types of Ethics – Characteristics – Factors influencing Business Ethics – Importance of Business Ethics - Arguments for and against business ethics - Basics of business ethics - Corporate Social Responsibility – Issues of Management – Crisis Management

Unit 2: PERSONAL ETHICS

12 Hrs

Introduction – Meaning – Emotional Honesty – Virtue of humility – Promote happiness – karma yoga – proactive – flexibility and purity of mind.

Unit 3: ETHICS IN MANAGEMENT

12 Hrs

Introduction – Ethics in HRM – Marketing Ethics – Ethical aspects of Financial Management – Technology Ethics and Professional ethics.

Unit 4: ROLE OF CORPORATE CULTURE IN BUSINESS

12 Hrs

Meaning – Functions – Impact of corporate culture – cross cultural issues in ethics

Unit 5: CORPORATE GOVERNANCE

12 Hrs

Meaning, scope, composition of BODs, Cadbury Committee, various committees, reports on corporate governance, scope of Corporate Governance, Benefits and Limitations of Corporate Governance with living examples.

SKILL DEVELOPMENT

- State the arguments for and against business ethics
- Make a list of unethical aspects of finance in any organization
- List out ethical problems faced by managers
- List out issues involved in Corporate Governance.
- List out unethical aspects of Advertising

- 1. Murthy CSV: Business Ethics and Corporate Governance, HPH
- 2. Bholananth Dutta, S.K. Podder Corporation Governance, VBH.
- 3. Dr. K. Nirmala, Karunakara Readdy: Business Ethics and Corporate Governance, HPH
- 4. H.R.Machiraju: Corporate Governance
- 5. K. Venkataramana, Corporate Governance, SHBP.
- 6. N.M.Khandelwal: Indian Ethos and Values for Managers
- 7. S Prabhakaran; Business ethics and Corporate Governance
- 8. C.V. Baxi: Corporate Governance
- 9. R. R. Gaur, R. Sanghal, G. P. Bagaria; Human Values and Professional ethics
- 10. B O B Tricker, Corporate Governance; Principles, Policies and Practices
- 11. Michael, Blowfield; Corporate Responsibility
- 12. Andrew Crane; Business Ethics
- 13. Ghosh; Ethics in Management and Indian ethos.

3.6 QUANTATIVE ANALYSIS FOR BUSINESS DECISIONS-II

OBJECTIVE:

The objective is to familiarize the students with various statistical techniques for their application in Business Decisions.

Unit 1: CORRELATION AND REGRESSION ANALYSIS

20 Hrs

Correlation: Meaning and Definition - Uses - Types - Karl Pearson's coefficient of correlation - probable error - Spearman's Rank Correlation Coefficient. Regression: Meaning, Uses, Regression lines, Regression Equations. Correlation Coefficient through Regression Coefficient

Unit 2: TIME SERIES 12 Hrs

Introduction – Meaning – Uses –Components of Time Series – Fitting a straight line trend by the method of least squares and Computation of Trend Values (when $\sum X = 0$) including Graphical presentation of trend values – Problems.

Unit 3: INTERPOLATION AND EXTRAPOLATION

08 Hrs

Meaning - Significance - Assumptions - Methods of Interpolation - Binomial expansion (Interpolating method one and two missing values only) - Newton's Advancing Differences Method - Problems.

Unit 4: SAMPLING AND SAMPLING DISTRIBUTION

08 Hrs

Meaning, Objectives and Types: Probability Sampling and Non-Probability Sampling Techniques- Meaning of Population, Parameter and Statistic - Sampling distribution – Meaning and usefulness of Standard Error (Simple Problems on calculation of Sample size)

Unit 5: THEORY OF PROBABILITY

08 Hrs

Meaning and Importance of Probability- Experiment, Event and types of events, Addition Theory of probability. (Simple Problems on addition theorem only)

SKILL DEVELOPMENT:

- Collect age statistics of 10 newly married couples and compute correlation coefficient
- Collect age statistics of 10 newly married couples and compute regression equations; Estimate the age of bride when age of bridegroom is given.
- Collect the turnover of a company for 7 years and predict the sales of 8th year by using method of least square.
- Collect the sales or production statistics of a company for five years and extra pollute the production or sales for the 6^{th} Year.

- 1. Sridhara Bhatt Quantitative Techniques for Managers, HPH
- 2. S P Gupta: Statistical Methods- Sultan Chand, Delhi
- 3. B. G. Bhaskara & others: Quantitative Analysis for Business Decision II
- 4. S C Guptha and V K Kapoor, Fundamentals of Mathematical Statistics
- 5. Sancheti and Kapoor, Sultan Chand
- 6. S. Jaishankar: Quantitative Techniques for Managers
- 7. G C Beri, Statistics for Management.

- 8. Dr. B N Gupta: Statistics (Sahityta Bhavan), Agra.
- 9. Veerachamy: Operation Research I.K. International Publishers
- 10. Ellahance : Statistical Methods
- 11. Quantitative Techniques for Managerial Decisions, U K Srivastava, G V Shenoy,
- 12. S C Sharama, New Age International Publishers.
- 13. C.R Reddy, Quantitative Techniques for Management Decisions
- 14. Dr. Alice Mani: Quantitative Analysis for Business Decisions II, SBH.

3.7 PUBLIC RELATIONS AND CORPORATE COMMUNICATION

OBJECTIVE

To create awareness among the students on the soft skills required to plan and pursue a career and empower them with employability skills.

Unit 1: ATTITUDE AND EMOTIONAL INTELLIGENCE

10 Hrs

Importance of Attitude – Meaning of Positive Thinking and Positive Attitude – Ways to build positive attitude – Effects of negative attitude and measures to overcome them. Significance of interpersonal relationships in personal and professional life - Tips to enhance interpersonal relationships - Emotional Intelligence.

Unit 2: VISION, GOAL SETTING & TIME MANAGEMENT

06 Hrs

Meaning of Vision – Doing things for the right purpose – Setting and achieving goals – Importance of goal setting – periodicity in goal setting – short, medium, long-term – methods to achieve set goals. General principles of Stress Management and Time Management.

Unit 3: CREATIVITY 10 Hrs

The creative mind – Importance of Creativity – Elements of Creativity – Influence and Flexibility – Factors influencing creativity – Methods of enhancing creativity – techniques of creativity – Brainstorming, attributes listing.

Unit 4: COMMUNICATION SKILLS

10 Hrs

Significance – Process of Communication – Forms of Communication - Communication Gap – Listening Skills – Basics of Managerial Speaking Skills – Body Language – How to develop matter for a speech, Presentation aids and effective use of presentation aids. Preparation of Resume & preparation for GD & Interview.

Unit 5: CAREER PLANNING

06Hrs

Career Planning, Awareness of different Careers, Sources of Information, Choosing a Career and Career counseling.

SKILL DEVELOPMENT:

- Extempore speeches, Just a Minute.
- Conducting Stress Interviews.
- Creative Exercise
- Role play.

- 1. C.S. Raydu Corporate Communication, HPH
- 2. Rai & Rai Business Communication, HPH
- 3. S.P. Sharman, Bhavani H. Corporate Communication, VBH
- 4. Collins: Public Speaking
- 5. Mair: Art of Public Speaking
- 6. K. Venkataramana, Corporate Communication, SHBP.
- 7. Rajkumar: Basic of Business Communication
- 8. V.N. Ahuja.: The World's Famous Speeches
- 9. Daniel Goleman: Emotional Intelligence
- 10. Jyotsna Codety: Understanding Emotional Intelligence.

- 11. Dalip Singh: Emotional Intelligence at Work.
- 12. B. Das / I Satpathy: Business Communication & Personality Development.
- 13. B.Husluck: Personality Development Elizabeth.
- 14. M.S. Rao: Soft Skills Enhancing Employability I.K. International Publishers
- 15. Allen Bease :Body Language .
- 16. Tanushree Pooder: Fit and Fine Body and Mind
- 17. C.G.G Krishnamacharyulu & Lalitha :Soft Skills of Personality Development;
- 18. Partho Pratim Roy :Business Communications The Basics
- 19. Sajitha Jayaprakash: Technical Communication

4.3 ADVANCED CORPORATE ACCOUNTING

OBJECTIVE

The objective is to enable the students to develop awareness about Corporate Accounting in conformity with the Provision of Companies' Act and latest amendments thereto with adoption of Accounting Standards.

Unit 1: REDEMPTION OF PREFERENCE SHARES

10 Hrs

Meaning - legal provisions - treatment regarding premium on redemption - creation of Capital Redemption Reserve Account- Fresh issue of shares - Arranging for cash balance for the purpose of redemption – minimum number of shares to be issued for redemption – issue of bonus shares – preparation of Balance sheet (vertical forms) after redemption.

Unit 2: MERGERS AND ACQUISITION OF COMPANIES

16 Hrs

Meaning of Amalgamation and Acquisition - Types of Amalgamation - Amalgamation in the nature of Merger - Amalgamation in the nature of Purchase - Methods of Purchase Consideration - Calculation of Purchase Consideration (Ind AS 103) (Old AS14), Net asset Method - Net Payment Method, Accounting for Amalgamation (Problems on both the methods) - Entries and Ledger Accounts in the Books of Transferor Company and Transferee Company - Preparation of new Balance sheet. (Vertical Format) (Excluding External Reconstruction).

Unit 3: INTERNAL RECONSTRUCTION

10 Hrs

Meaning - Objective - Procedure - Form of Reduction -Passing of Journal Entries - Preparation of Reconstruction accounts – Preparation of Balance Sheet after Reconstruction. (Vertical Format) Problems.

Unit 4: LIQUIDATION OF COMPANIES

10Hrs

Meaning-Types of Liquidation - Order of Payment - Calculation of Liquidator's Remuneration -Preparation of Liquidators Final Statement of Account.

Unit 5: RECENT DEVELOPMENTS IN ACCOUNTING & ACCOUNTING STANDARDS (Theory Only)

Human Resource Accounting - Environmental Accounting - Social Responsibility Accounting -Valuation of Brand.

Indian Accounting Standards- Meaning- Need for accounting standards in India- Accounting standards Board (ASB) process of setting accounting standards in India- A brief theoretical study of Indian accounting standards.

SKILL DEVELOPMENT

- List out legal provisions in respect of Redemption of Preference shares.
- Calculation of Purchase consideration with imaginary figures.
- List any 5 cases of amalgamation in the nature of merger or acquisition of Joint Stock Companies.
- List out legal provisions in respect of internal reconstruction.
- List out any five Indian Accounting Standards disclosures.

- Arulanandam & Raman; Corporate Accounting-II, HPH
- Anil Kumar Advanced Corporate Accounting, HPH
- Roadmap to IFRS and Indian Accounting Standards by CA Shibarama Tripathy
- Dr. Venkataraman. R Advanced Corporate Accounting
- S.N. Maheswari, Financial Accounting, Vikas
- Soundarajan A & K. Venkataramana, Advanced Corporate Accounting, SHBP.
- RL Gupta, Advanced Accountancy, Sultan Chand
- K.K Verma Corporate Accounting.
- Jain and Narang, Corporate Accounting.
- 10. Tulsian, Advanced Accounting,
- 11. Shukla and Grewal Advanced Accountancy, Sultan Chand
- 12. Srinivas Putty, Advanced Corporate Accounting, HPH.13. Sreeram & Sreeram, Advanced Corporate Accounting, Adhrash Publishing House.

4.4 COST ACCOUNTING

OBJECTIVE

The objective of this subject is to familiarize students with the various concepts and elements of cost.

Unit 1: INTRODUCTION TO COST ACCOUNTING

10 Hrs

Introduction – Meaning& Definition of Cost, Costing and Cost Accounting – Objectives of Costing - Comparison between Financial Accounting and Cost Accounting –Designing and Installing a Cost Accounting System – Cost Concepts - Classification of Costs – Cost Unit – Cost Center – Elements of Cost – Preparation of Cost Sheet – Tenders and Quotations.

Unit 2: MATERIAL COST CONTROL

14 Hrs

Meaning – Types: Direct Material, Indirect Material. Material Control – Purchasing Procedure – Store Keeping – Techniques of Inventory Control –Levels settings– EOQ – ABC Analysis – VED Analysis – Just In-Time – Perpetual Inventory System – Documents used in Material Accounting - Methods of Pricing Material Issues: FIFO, LIFO, Weighted Average Price Method and Simple Average Price Method - Problems.

Unit 3: LABOUR COST CONTROL

10 Hrs

Meaning – Types: Direct Labour, Indirect Labour - Timekeeping – Time booking – Idle Time – Overtime – Labour Turn Over. Methods of Labour Remuneration: Time Rate System, Piece Rate System, Incentive Systems (Halsey plan, Rowan Plan & Taylor's differential Piece Rate System) – Problems

Unit 4: OVERHEAD COST CONTROL

14 Hrs

Meaning and Definition – Classification of Overheads – Procedure for Accounting and Control of Overheads – Allocation of Overheads – Apportionment of Overheads – Primary Overhead Distribution Summary – Secondary Overhead Distribution Summary – Repeated Distribution Method and Simultaneous Equations Method – Absorption of Factory Overheads – Methods of Absorption (Theory Only) – Machine Hour Rate – Problems on Machine Hour Rate.

Unit 5: RECONCILIATION OF COST AND FINANCIAL ACCOUNTS 08 Hrs

Need for Reconciliation – Reasons for differences in Profit or Loss shown by Cost Accounts and Profit or Loss shown by Financial Accounts – Preparation of Reconciliation Statement and Memorandum Reconciliation Account.

SKILL DEVELOPMENT

- Identification of elements of cost in services sector by Visiting any service sector.
- Cost estimation for the making of a proposed product.
- Draft the specimen of any two documents used in material account.
- Collection and Classification of overheads in an organization on the basis of functions.
- Prepare a reconciliation statement with imaginary figures

- 1. J. Made Gowda Cost and Management Accounting, HPH
- 2. M.V. Skukla Cost and Management Accounting
- 3. N.K. Prasad: Cost Accounting, Books Syndicate Pvt. Ltd.
- 4. Nigam & Sharma: Cost Accounting, HPH
- 5. Khanna Pandey & Ahuja Practical Costing, S Chand
- 6. Soundarajan A & K. Venkataramana, Cost Accounting, SHBP.

- 7. P. K Sinha Accounting & Costing for Managers.
- 8. M.L. Agarwal: Cost Accounting
- 9. Dr. Alice Mani: Cost Accounting, SBH.
- 10. S.P Jain & Narang: Cost Accounting, Kalyani
- 11. Palaniappan and Hariharan: Cost Accounting I.K. International Publishers
- 12. S.P. Iyengar: Cost Accounting, Sultan Chand ans Sons
- 13. S.N. Maheshwari: Cost Accounting, Vikas
- 14. M. N. Arora: Cost Accounting, HPH
- 15. Dutta: Cost Accounting
- 16. V. Rajesh Kumar & R.K. Sreekantha, Cost Accounting I, Vittam Publications.

4.5 E-BUSINESS AND ACCOUNTING

OBJECTIVE:

The objective of the subject is to familiarize the students with E- Commerce models and Tally

UNIT 1. E-BUSINESS 10 Hrs

Introduction, E-Commerce – Definition, History of E-commerce, Difference between E - Commerce and E - Business. Comparison of traditional commerce and e-commerce Advantages/ Disadvantages of e-commerce, E-Commerce business models – major B to B, B to C model, Consumer-to-Consumer (C2C), Consumer-to-Business (C2B) model, Peer to-Peer (P2P) model – emerging trends. web auctions, virtual communities, portals, e-business revenue models.

UNIT 2. HARDWARE AND SOFTWARE FOR E-BUSINESS

10Hrs

Web server – Internet – World Wide Web - hardware and software for web servers, web hosting choices – shopping cart.

Unit 3: GETTING STARTED WITH TALLY

10Hrs

Meaning of Tally software – Features – Advantages - Required Hardware, Preparation for installation of tally software - installation. Items on Tally screen: Menu options, creating a New Company, Basic Currency information, Other information, Company features and Inventory features.

Unit 4: CONFIGURING TALLY

16Hrs

General Configuration, Numerical symbols, accts/inv info – master configuration -voucher entry configuration. **Working in Tally**: Groups, Ledgers, writing voucher, different types of voucher, voucher entry Problem on Voucher entry -Trail Balance, Accounts books, Cash Book, Bank Books, Ledger Accounts, Group Summary, Sales Register and Purchase Register, Journal Register, Statement of Accounts, & Balance Sheet.

Unit 5: REPORTS IN TALLY:

10Hrs

Generating Basic Reports in Tally – Financial Statements – Accounting Books and Registers – Inventory Books and Registers – Exception reports – printing reports – Types of Printing Configuration of Options – Printing Format.

SKILL DEVELOPMENT:

- Generating the report of journal
- Generating the report on cash book
- Generating the report on profit and losing account
- Generating the report on balance sheet

- 1. Raydu E Commerce, HPH
- 2. Suman. M E Commerc & Accounting HPH
- 3. Kalakota Ravi and A. B. Whinston: Frontiers of Electronic Commerce, Addison Wesley
- 4. Watson R T: *Electronic Commerce the strategic perspective*. The Dryden press
- 5. Amrutha Gowry & Soundrajana, E Business & Accounting, SHBP.
- 6. C.S.V Murthy- E Commerce, HPH
- 7. Agarwala K.N and Deeksha Ararwala: Business on the Net Whats and Hows of E-Commerce
- 8. Agarwala K. N. and Deeksha Ararwala: *Business on the Net Bridge to the online store front*, Macmillan, New Delhi.
- 9. P. Diwan / S. Sharma E Commerce
- 10. Srivatsava: E.R.P, I.K. International Publishers
- 11. Diwan, Prag and Sunil Sharma, *Electronic Commerce A manager guide to E-business*, Vanity Books International, Delhi
- 12. Tally for Enterprise Solutions

4.6. STOCK AND COMMODITY MARKETS

OBJECTIVE:

The objective is to provide students with a conceptual framework of stock markets and Commodity Markets, functionaries in these markets and their mode of trading.

Unit: 1 AN OVERVIEW OF CAPITAL AND COMMODITIES MARKETS: 10 Hrs

Primary Market, Secondary Market (Stock Market), Depositories, Private placements of shares / Buy back of shares, Issue mechanism. Meaning of Commodities and Commodities Market, differences between stock market and commodities market.

Unit: 2 STOCK MARKET:

12Hrs

History, Membership, Organization, Governing body, Functions of stock Exchange, on line trading, role of SEBI, Recognized Stock Exchanges in India (brief discussion of NSE and BSE). Derivatives on stocks: Meaning, types (in brief).

Unit:3 TRADING IN STOCK MARKET:

14Hrs

Patterns of Trading & Settlement – Speculations – Types of Speculations – Activities of Brokers – Broker Charges – Settlement Procedure, National Securities Depository Ltd.(NSDL), Central Securities Depository Ltd.(CSDL) (in brief).

Unit: 4 COMMODITIES MARKET:

12Hrs

History, Membership, Objectives, Functions of commodities exchange, Organization and role of commodity exchange, Governing Body, Types of Transactions to be dealt in Commodity Market – physical market, Futures market - Differences between Physical & Future Market, options on commodities exchanges.

Unit: 5 TRADING IN COMMODITY MARKETS:

08Hrs

Patterns of Trading & Settlement, Efficiency of Commodity Markets - Size of volumes of Commodities

SKILL DEVELOPMENT

- Prepare the list of recognized stock exchanges in India
- Prepare the process chart of online trading of shares and debentures.
- Prepare the chart showing Governing Body of the Commodities Market.
- Prepare the list of commodities traded on commodity market.
- Enlist the role of NSDL and CSDL.

- 1. Gurusamy, Financial Markets and Institutions, 3rd edition, Tata McGraw Hill.
- 2. Saunders, Financial Markets and Institutions, 3rd edition, Tata McGraw Hill.
- 3. K. Venkataramana, Stock & Commodity Markets, SHBP.
- 4. B. Kulkarni Commodity Markets & Derivatives.
- 5. Khan, Indian Financial Systems, 6th edition, Tata McGraw Hill
- 6. Bhole, L.M. (2000), Indian Financial Institutions, Markets and Management, McGraw Hill, New York.
- 7. Srivastava R.M; Management of Indian Financial Institutions
- 8. Pallavi Modi: Equity The Next Investment Destination
- 9. Prriswami Indian Financial System
- 10. Ghowria Khatoon Stock & Commodity Markets, VBH.

4.7 PRINCIPLES OF EVENT MANAGEMENT

OBJECTIVE:

The objective is to provide students with a conceptual framework of Event Management, Event Services, Conducting Event and Managing Public Relations.

Unit: 1- INTRODUCTION TO EVENT MANAGEMENT

12 Hrs

Event- Meaning- Why Event Management- Analysis of Event, Scope of Event, Decision Makers-Event Manager Technical Staff- Establishing of Policies & Procedure- Developing Record Keeping Systems.

Unit: 2-EVENT MANAGEMENT PROCEDURE

12 Hrs

Principles for holding an Event, General Details, Permissions- Policies, Government and Local Authorities, - Phonographic Performance License, Utilities- Five Bridge Ambulance Catering, Electricity, Water Taxes Applicable.

Unit: 3-CONDUCT OF AN EVENT.

12 Hrs

Preparing a Planning Schedule, Organizing Tables, Assigning Responsibility, Communication and Budget of Event- Checklist, Computer aided Event Management- Roles & Responsibilities of Event Managers for Different Events.

Unit: 4-PUBLIC RELATIONS

10 Hrs

Introductions to Public Relations- Concept- Nature- Importance- Limitations- Media- Types of Media- Media Management, Public Relation Strategy & Planning. Brain Storming Sessions- Writings for Public Relations.

Unit: 5 CORPORATE EVENTS

10 Hrs

Planning of Corporate Event, Job Responsibility of Corporate Events Organizer, Arrangements, Budgeting, Safety of Guests and Participants, Creating Blue Print, Need for Entertainment in Corporate Events And Reporting.

Skill Development

- 1. Preparation of Event Plan for Wedding, Annual general body Meeting of an MNC.
- 2. Preparing Budget for conduct of National level intercollegiate sports events.
- 3. Preparation of Event Plan for College day Celebrations
- 4. Preparation of Budget for Conducting inter collegiate Commerce Fest.

Book References

- 1. Event Entertainment and Production Author: Mark Sonderm CSEP Publisher: Wiley & Sons, Inc.
- 2. Ghouse Basha Advertising & Media Mgt, VBH.
- 3. Anne Stephen Event Management, HPH.
- 4. K. Venkataramana, Event Management, SHBP.
- 5. Special Event Production Doug Matthews ISBN 978-0-7506-8523-8
- 6. The Complete Guide to successful Event Planning Shannon Kilkenny
- 7. Human Resource Management for Events Lynn Van der Wagen (Author)
- 8. Successful Team Manageemnt (Paperback) Nick Hayed (Author)
- 9. Event Management & Public Relations by Savita Mohan Enkay Publishing House
- 10. Event Management & Public Relations By Swarup K. Goyal Adhyayan Publisher 2009

5.1 ENTREPRENEURSHIP DEVELOPMENT

OBJECTIVE:

To enable students to understand the basic concepts of entrepreneurship and preparing a business plan to start a small industry.

Unit 1: ENTREPRENEURSHIP

10 Hrs

Introduction – Meaning& Definition of Entrepreneurship, Entrepreneur & Enterprise –Functions of Entrepreneur - Factors influencing Entrepreneurship - Pros and Cons of being an Entrepreneur – Qualities of an Entrepreneur – Types of Entrepreneur

Unit 2: SMALL SCALE INDUSTRIES

12 Hrs

Meaning &Definition – Product Range - Capital Investment - Ownership Patterns – Meaning and importance of Tiny Industries, Ancillary Industries, Cottage Industries. Role played by SSI in the development of Indian Economy. Problems faced by SSI's and the steps taken to solve the problems - Policies Governing SSI's.

Unit 3: FORMATION OF SMALL SCALE INDUSTRY

14 Hrs

Business opportunity, scanning the environment for opportunities, evaluation of alternatives and selection based on personal competencies. Steps involved in the formation of a small business venture: location, clearances and permits required, formalities, licensing and registration procedure. Assessment of the market for the proposed project – Financial, Technical, Market and Social feasibility study.

Unit 4: PREPARING THE BUSINESS PLAN (BP)

10 Hrs

Meaning – importance – preparation –BP format: Financial aspects of the BP, Marketing aspects of the BP, Human Resource aspects of the BP, Technical aspects of the BP, Social aspects of the BP. Common pitfalls to be avoided in preparation of a BP.

Unit 5: PROJECT ASSISTANCE

10 Hrs

Financial assistance through SFC's, SIDBI, Commercial Banks, IFCI - Non-financial assistance from DIC, SISI, AWAKE, KVIC - Financial incentives for SSI's and Tax Concessions - Assistance for obtaining Raw Material, Machinery, Land and Building and Technical Assistance - Industrial Estates: Role and Types.

SKILL DEVELOPMENT

- Preparation of a Project report to start a SSI Unit.
- Preparing a letter to the concerned authority-seeking license for the proposed SS Unit
- Format of a business plan.
- A Report on the survey of SSI units in the region where college is located.
- Chart showing financial assistance available to SSI along with rates of interest.
- Chart showing tax concessions to SSI both direct and indirect.
- Success stories of Entrepreneurs in the region.

- 1. Vasanth Desai, Management of Small Scale Industry, HPH
- 2. Mark. J. Dollinger, Entrepreneurship Strategies and Resources, Pearson Edition.
- 3. Dr. Venkataramana; Entrepreneurial Development, SHB Publications

- 4. Udai Pareek and T.V. Rao, Developing Entrepreneurship
- 5. Rekha & Vibha Entrepreneurship Development, VBH
- 6. S.V.S. Sharma, Developing Entrepreneurship, Issues and Problems
- 7. B. Janakiraman, Rizwana M: Entrepreneurship Development, Excel Books
- 8. Srivastava, A Practical Guide to Industrial Entrepreneurs
- 9. Anil Kumar: Small Business and Entrepreneurship I.K. International Publishers
- 10. Government of India, Report of the committee on Development of small and medium entrepreneurs, 1975
- 11. Bharusali, Entrepreneur Development
- 12. Satish Taneja; Entrepreneur Development
- 13. Vidya Hattangadi ; Entrepreneurship
- 14. N.V.R Naidu: Entrepreneurship Development, I.K. International Publishers

5.2 INTERNATIONAL FINANCIAL REPORTING STANDARDS

OBJECTIVE: The objective of the subject is to enable the students to understand the need and method of presentation of financial statements in accordance with International Financial Reporting Standards.

Unit-I 5Hrs

International Financial Reporting Standards:

Meaning of IFRS - relevance of IFRS to India; merits and limitations of IFRS; process of setting IFRS- Practical challenges in implementing IFRS; a brief theoretical study of International financial reporting standards (IFRS) 1-15 - List of International accounting standards issued by IASB.

Unit – II 25Hrs

Accounting for Assets and Liabilities

Recognition criteria's for Investment properties, Government grants, Borrowing costs, Construction contracts, share based payments, Provisions, Contingent liabilities and Contingent assets, Events occurring after the reporting period (**Only Theory**).

Recognition and measurement for property plant and equipment, Intangible assets, Inventories, Leases and Impairment. Accounting for Income tax, Employee benefits. - **Simple problems**

Unit-III 8Hrs

Presentation of Financial Statements:

Outline for the preparation of financial statements - Statement of financial position; Comprehensive income statement; Statement of changes in equity (SOCE), IAS 18 – Revenue.

Elements of financial statements as per IFRS – Non-current assets; current assets; equity; non-current liability; current liability; revenue; cost of sales; distribution costs; administrative expenses; financial costs – profits attributable to owners of controlling interest and non-controlling interest – **Practical problems on each element**.

Unit – IV 12Hrs

Accounts of Groups:

Concept of group – need for consolidated financial statements - Preparation of consolidated financial statements – Procedure for the preparation of consolidated financial position statement – treatment of pre-acquisition profit; goodwill arising on consolidation; on-controlling interests at fair value – **Practical problems.**

Unit – V 6Hrs

Disclosure Standards

Related party disclosure, Earnings per share, Interim financial reporting, Insurance contracts, Operating segments. (**Theory Only**).

SKILL DEVELOPMENT

- 1) Conversion of final accounts to IFRS
- 2) Analysis of published financial statements for at-least 2 types of stakeholders
- 3) Comments for recent developments/exposure draft in IFRS
- 4) Preparation of notes to accounts for non-current assets
- 5) Assignment on social reporting
- 6) Preparation of Consolidated Financial Statement of any two existing companies.
- 7) Disclosure of change in equity in the annual reports of any two select companies.

Books for reference:

- 1. IFRS Student Study Guide ISDC
- 2. IFRS for India, Dr.A.L.Saini, Snow white publications
- 3. Roadmap to IFRS and Indian Accounting Standards by CA Shibarama Tripathy
- 4. IFRS explained a guide to IFRS by BPP learning Media
- 5. IFRS concepts and applications by Kamal Garg, Bharath law house private limited.
- 6. IFRS: A quick reference guide by Robert J Kirk, Elsevier Ltd.

5.3 INCOME TAX - I

OBJECTIVE

The Objective of this subject is to expose the students to the various provisions of Income Tax Act 1961 relating to computation of Income of individuals.

Unit 1: INTRODUCTION TO INCOME TAX

10 Hrs

Brief History of Indian Income Tax - Legal Frame Work – Types of Taxes - Cannons of Taxation – Important Definitions: Assessment, Assessment Year, Previous Year (including Exceptions), Assessee, Person, Income, Casual Income, Gross Total Income, Agricultural Income (including Scheme of Partial Integration – Theory Only) – Scheme of taxation. Meaning and classification of Capital & Revenue. Income tax authorities: Powers & functions of CBDT, CIT & A.O.

Unit 2: EXEMPTED INCOMES

04 Hrs

Introduction – Exempted Incomes U/S 10 - Restricted to Individual Assessee.

Unit 2: RESIDENTIAL STATUS

10 Hrs

Residential Status of an Individual –Determination of Residential Status – Incidence of Tax – Problems.

Unit 4: INCOME FROM SALARY

20 Hrs

Meaning – Definition - Basis of Charge– Advance Salary – Arrears of Salary – Allowances – Perquisites– Provident Fund - Profits in Lieu of Salary – Gratuity -Commutation of Pension - Encashment of Earned leave - Compensation for voluntary retirement - Deductions from Salary U/S 16 – Problems on Income from Salary.

Unit 5: INCOME FROM HOUSE PROPERTY

12 Hrs

Basis of Charge – Deemed Owners – Exempted Incomes from House Property –Composite Rent - Annual Value – Determination of Annual Value – Treatment of Unrealized Rent – Loss due to Vacancy – Deductions from Annual Value – Problems on Income from House Property.

SKILL DEVELOPMENT

- Form No. 49A (PAN) and 49B.
- Filling of Income Tax Returns.
- List of enclosures to be made along with IT returns (with reference to salary & H.P).
- Preparation of Form 16.
- Computation of Income Tax and the Slab Rates.
- Computation of Gratuity.

- 1. Dr. Vinod K. Singhania: Direct Taxes Law and Practice, Taxmann publication.
- 2. B.B. Lal: Direct Taxes, Konark Publisher (P) ltd.
- 3. Dr. Mehrotra and Dr. Goyal: Direct Taxes Law and Practice, Sahitya Bhavan Publication.
- 4. Dinakar Pagare: Law and Practice of Income Tax, Sultan Chand and sons.
- 5. Gaur & Narang: Income Tax.
- 6. 7 Lectures Income Tax I, VBH
- 7. Dr.V.Rajesh Kumar and Dr.R.K.Sreekantha: Income Tax I, Vittam Publications.

5.4 COSTING METHODS

OBJECTIVE

To familiarize the students on the use of cost accounting system in different nature of businesses.

Unit 1: INTRODUCTION TO COSTING METHODS

04 Hrs

Costing methods – Meaning, Importance and Categories.

Unit 2: JOB AND BATCH COSTING

12 Hrs

Job costing: Meaning, prerequisites, job costing procedures, Features, objectives, applications, advantages and disadvantages of Job costing. **Batch costing**: Meaning, advantages, disadvantages, determination of economic batch quantity. Comparison between Job and Batch Costing – problems.

Unit 3: PROCESS COSTING

14 Hrs

Introduction, meaning and definition, Features of Process Costing, applications, comparison between Job costing and Process Costing, advantages and disadvantages, treatment of normal loss, abnormal loss and abnormal gain, rejects and rectification - Joint and by-products costing – problems under reverse cost method.

Unit 4: CONTRACT COSTING

14 Hrs

Meaning, features of contract costing, Applications of contract costing, similarities and dissimilarities between job and contract costing, procedure of contract costing, profit on incomplete contracts, Problems.

Unit 5: OPERATING COSTING

12 Hrs

Introduction, Meaning and application of Operating Costing, - Power house costing or boiler house costing, canteen or hotel costing, hospital costing (Theory only) and Transport Costing – Problems on Transport costing.

SKILL DEVELOPMENT

- Listing of industries located in your area and methods of costing adopted by them
- List out materials used in any two organizations.
- Preparation of Imaginary composite job cost statement
- Preparation of activity base cost statement

- 1. S P Ivengar, Cost Accounting.
- 2. Nigam and Sharma, Advanced Costing.
- 3. B.S. Raman, Cost Accounting.
- 4. K.S Thakur- Cost Accounting
- 5. M.N. Arora, Cost Accounting.
- 6. Ashish K Bhattacharyya: cost accounting for business managers.
- 7. N. Prasad, Costing.
- 8. Palaniappan and Hariharan: Cost Accounting, I.K. International Publishers
- 9. Jain &Narang, Cost Accounting
- 10. Ravi M. Kishore Cost Management
- 11. Charles T Horngren, George Foster, Srikant M. Data Cost Accounting: A Managerial Emphasis
- 12. Anthony R. N. Management Accounting Principles
- 13. S. Mukherjee & A. P. Roychowdhury Advanced Cost and Management Accountancy
- 14. J. MadeGowda Cost Accounting
- 15. Rathnam: Cost Accounting

6.1 BUSINESS REGULATIONS

OBJECTIVE:

To introduce the students to various Business Regulations and familiarize them with common issues of relevance.

UNIT 1: INTRODUCTION TO BUSINESS LAWS

06 Hrs

Introduction, Nature of Law, Meaning and Definition of Business Laws, Scope and Sources of Business Laws.

UNIT 2: CONTRACT LAWS

18Hrs

Indian Contract Act, 1872: Definition of Contract, essentials of a valid contract, classification of contracts, remedies for breach of contract.

Indian Sale of Goods Act, 1930: Definition of contract of sale, essentials of contract of sale, conditions and warrantees, rights and duties of buyer, rights of an unpaid seller.

UNIT 3: COMPETITION AND CONSUMER LAWS:

14 Hrs

The Competition Act, 2002: Objectives of Competition Act, Features of Competition Act, CAT, offences and penalties under the Act, Competition Commission of India.

Consumer Protection Act, 1986: Definition of the terms consumer, consumer dispute, defect, deficiency, unfair trade practices and services. Rights of the consumer under the Act, Consumer Redressal Agencies – District Forum, State Commission, National Commission.

UNIT 4: ECONOMIC LAWS

12 Hrs

Indian Patent Laws and WTO Patent Rules: Meaning of IPR, invention and non-invention, procedure to get patent, restoration and surrender of lapsed patent, infringement of patent,

FEMA 1999: Objects of FEMA, salient features of FEMA, definition of important terms: authorized person, currency, foreign currency, foreign exchange, foreign security, offences and penalties.

UNIT 5: ENVIRONMENTAL LAW

06 Hr

Environment Protection Act, 1986: Objects of the Act, definitions of important terms: environment, environment pollutant, environment pollution, hazardous substance and occupier, types of pollution, rules and powers of central government to protect environment in India.

SKILL DEVELOPMENT

- Prepare a chart showing sources of business law and Indian Constitution Articles having economic significance.
- Draft an agreement on behalf of an MNC to purchase raw materials indicating therein terms and conditions and all the essentials of a valid contract.
- Draft an application to the Chief Information Officer of any government office seeking information about government spending.
- Draft digital signature certificate.
- Draft a complaint to District Consumer Forum on the deficiency of service in a reputed corporate hospital for medical negligence.
- Collect leading cyber-crimes cases and form groups in the class room and conduct group discussion.
- Draft a constructive and innovative suggestions note on global warming reduction.

- 1. K. Aswathappa, Business Laws, HPH,
- 2. Bulchandni, Business Laws, HPH.
- 3. K. Venkataramana, Business Regulations, SHBP.
- 4. Kamakshi P & Srikumari P Business Regulations, VBH.
- 5. N.D. Kapoor, Business Laws, Sultan chand publications.
- 6. S.S Gulshan Business Law
- 7. S.C. Sharma: Business Law I.K. International Publishers
- 8. Tulsion Business Law, TMH.

6.2 PRINCIPLES AND PRACTICE OF AUDITING

OBJECTIVE:

This subject aims at imparting knowledge about the principles and methods of auditing and their applications.

Unit 1: INTRODUCTION TO AUDITING

12 Hrs

Introduction – Meaning - Definition – Objectives – Differences between Accountancy and Auditing – Types of Audit - Advantages of Auditing – Preparation before commencement of new Audit – Audit Notebook – Audit Working Papers – Audit Program, Recent Trends in Auditing: Nature & Significance of Tax Audit – Cost Audit - Management Audit.

Unit 2: INTERNAL CONTROL

10 Hrs

Internal Control: Meaning and objectives. Internal Check: Meaning, objectives and fundamental principles. Internal Check as regards: Wage Payments, Cash Sales, Cash Purchases. Internal Audit: Meaning - Advantages and Disadvantages of Internal Audit – Differences between Internal Check and Internal Audit.

Unit 3: VOUCHING 12 Hrs

Meaning - Definition - Importance - Routine Checking and Vouching - Voucher - Types of Vouchers - Vouching of Receipts: Cash Sales, Receipts from debtors, Proceeds of the sale of Investments. Vouching of Payments: Cash Purchases, Payment to Creditors, Deferred Revenue Expenditure.

Unit 4: VERIFICATION AND VALUATION OF ASSETS AND LIABILITIES 12 Hrs

Meaning and Objectives of verification and valuation—Position of an Auditor as regards—the Valuation of Assets—Verification and Valuation of different Items: Assets: Land & Building, Plant & Machinery, Goodwill—Investments—Stock in Trade. Liabilities: Bills Payable—Sundry Creditors—Contingent Liabilities.

Unit 5: AUDIT OF LIMITED COMPANIES AND OTHERS

10 Hrs

Company Auditor – Appointment – Qualification - Powers - Duties and Liabilities – Professional Ethics of an Auditor. Audit of Educational Institutions – Audit of Insurance Companies - Audit of Cooperative societies.

SKILL DEVELOPMENT:

- Collect the information about types of audit conducted in any one Organization
- Visit an audit firm, write about the procedure followed by them in Auditing the books of accounts
 of a firm.
- Draft an investigation report on behalf of a Public Limited Company
- Record the verification procedure with respect to any one fixed asset.
- Draft an audit program.

- 1. P N Reddy & Appannaiah, Auditing, HPH
- 2. TR Sharma, Auditing, Sahitya Bhavan
- 3. BN Tandon, Practical Auditing, Sultan Chand
- 4. Dr. Nanje Gowda, Principles of Auditing, VBH
- 5. Dr. Alice Mani: Principles & Practices of Auditing, SBH.
- 6. K. Venkataramana, Principles And Practice Of Auditing, SHBP.
- 7. MS Ramaswamy, Principles and Practice of Auditing.
- 8. Dinakar Pagare, Practice of Auditing, Sultan Chand
- 9. Kamal Gupta, Practical Auditing, TMH
- 10. R.G Sexena Principles and Practice of Auditing, HPH

6.3 INCOME TAX - II

OBJECTIVE

The Objective of this subject is to make the students to understand the computation of Taxable Income and Tax Liability of individuals.

Unit 1: PROFITS AND GAINS FROM BUSINESS OR PROFESSION 16 Hrs

Meaning and Definition of Business, Profession – Vocation - Expenses Expressly Allowed – Allowable Losses – Expenses Expressly Disallowed – Expenses Allowed on Payment Basis - Problems on Business relating to Sole Trader and Problems on Profession relating to Chartered Accountant, Advocate and Medical Practitioner.

Unit 2: CAPITAL GAINS 16 Hrs

Basis of Charge – Capital Assets – Transfer of Capital Assets – Computation of Capital Gains – Exemptions U/S 54, 54B, 54D, 54EC, 54F– Problems on Capital Gains.

Unit 3: INCOME FROM OTHER SOURCES

10 Hrs

Incomes – Taxable under the head Other Sources – Securities – Kinds of Securities – Rules for Grossing Up – Ex-Interest Securities – Cum-Interest Securities – Bond Washing Transactions – Problems on Income from Other Sources.

Unit 4: DEDUCTIONS FROM GROSS TOTAL INCOME

06 Hrs

Deductions u/s: 80 C, 80 CCC, 80 CCD, 80 D, 80 G, 80 GG, 80 GGA, and 80 U. (80 G & 80 GG together should not be given in one problem)

Unit 5: SET-OFF & CARRY FORWARD OF LOSSES AND ASSESSMENT OF INDIVIDUALS 08Hrs

Meaning – Provision for Set-off & Carry forward of losses (Theory only).

Computation of Total Income and Tax Liability of an Individual Assessee (Problems— in case of income from salary & house property- computed income may be given).

SKILL DEVELOPMENT

- Table of rates of Tax deducted at source.
- Filing of IT returns of individuals.
- List of Enclosures for IT returns.

- 1. Dr. Vinod K. Singhania: Direct Taxes Law and Practice, Taxmann publication.
- 2. B.B. Lal: Direct Taxes, Konark Publisher (P) ltd.
- 3. Dinakar Pagare: Law and Practice of Income Tax, Sultan Chand and sons.
- 4. Gaur & Narang: Income Tax, Kalyani
- 5. B.B. Lal: Income Tax, Central Sales Tax Law & Practice, Konark Publisher (P) Ltd.
- 6. Singhania: Income Tax
- 7. Dr. H.C Mehrothra: Income Tax, Sahitya Bhavan
- 8. 7 Lecturer Income Tax VBH

6.4 MANAGEMENT ACCOUNTING

OBJECTIVE

The objective of this subject is to enable the students to understand the analysis and interpretation of financial statements with a view to prepare management reports for decision-making.

UNIT 1: INTRODUCTION TO MANAGEMENT ACCOUNTING

Management Accounting: Meaning – Definition – Objectives – Nature and Scope– Role of Management Accountant – Relationship between Financial Accounting and Management Accounting, Relationship between Cost Accounting and Management Accounting.

Analysis of Financial Statements: Types of Analysis – Methods of Financial Analysis – Problems on Comparative Statement analysis – Common Size Statement analysis and Trend Analysis.

UNIT2: RATIO ANALYSIS

14 Hrs

12 Hrs

Meaning and Definition of Ratio, Classification of Ratios, Uses & Limitations – Meaning and types of Ratio Analysis – Calculation of Liquidity ratios, Profitability ratios and Solvency ratios.

UNIT 3: FUND FLOW ANALYSIS

10 Hrs

Meaning and Concept of Fund – Meaning and Definition of Fund Flow Statement – Uses and Limitations of Fund Flow Statement – Differences between Cash Flow Statement and Fund Flow Statement - Procedure for preparation of Fund Flow Statement – Statement of changes in Working Capital – Statement of Funds from Operations – Statement of Sources and Applications of Funds – Problems.

UNIT 4: CASH FLOW ANALYSIS

14 Hrs

Meaning and Definition of Cash Flow Statement – Concept of Cash and Cash Equivalents - Uses of Cash Flow Statement – Limitations of Cash Flow Statement – Provisions of Ind AS-7 (old AS 3) – Procedure for preparation of Cash Flow Statement – Cash Flow from Operating Activities – Cash Flow from Investing Activities and Cash Flow from Financing Activities – Preparation of Cash Flow Statement according to Ind AS-7 (old AS 3) (Indirect Method Only).

UNIT 5: MANAGEMENT REPORTING

06 Hrs

Meaning of Management Reporting – Requisites of a Good Reporting System – Principles of Good Reporting System – Kinds of Reports – Drafting of Reports under different Situations.

SKILL DEVELOPMENT

- Collection of financial statements of any one organization for two years and preparing comparative statements
- Collection of financial statements of any two organization for two years and prepare a common Size Statements
- Collect statements of an Organization and Calculate Important Accounting Ratio's
- Draft a report on any crisis in an organization.

- 1. Dr. S.N. Maheswari , Management Accounting
- 2. Sexana, Management Accounting
- 3. SudhindraBhat- Management Accounting
- 4. Dr. S.N. Goyal and Manmohan, Management Accounting
- 5. B.S. Raman, Management Accounting
- 6. Sharma and Gupta, Management Accounting
- 7. M Muniraju& K Ramachandra, Management Accounting
- 8. PN Reddy & Appanaiah, Essentials of Management Accounting.
- 9. J.Made Gowda Management Accounting

5.5 BUSINESS ENVIRONMENT FOR LOGISTICS & SUPPLY CHAIN

OBJECTIVES:

UNIT - 1: PURCHASE DECISIONS

08 Hrs

Factors influencing procurement decisions. Types of purchases – New purchase, Modified re-buy, straight re-buy. Developing a business case – costs, benefits, options. Benchmarking requirements.

UNIT – 2: FUNDAMENTALS OF PROCUREMENT CONTRACTS

14 hrs

Procurement specifications – Definition of specifications. Types of specifications – Conformation based specifications, Output or outcome based specifications. Contents of specifications. Key Performance Indicators (KPIs). Measures of KPI – timeliness, cost management, resources and delivery.

UNIT - 3: FORMAL CONTRACTS

12 Hrs

Sources of contractual terms. Express terms, Standard terms. Model form contracts – NEC, FIDIC, IMechIEE. Main terms for Indemnities, liabilities, sub-contracting, insurances, guarantees and liquidated damages.

UNIT - 4: COSTING & PRICING OF PROCUREMENT

12 Hr

Estimation of costs. Types of market data. Direct costs. Indirect costs. Preparation of estimated costs and budgets. Variances to budget. Outsourcing versus other types of procurement. Make or buy decisions. Types of Pricing Arrangements. Pricing schedules.

UNIT - 5: OUTSOURCING

10 Hr

Definition. Core and non-core work or services. Impact of outsourcing on procurement. Cost-benefit analysis of outsourcing. Risks in outsourcing. Market development and growth of outsourcing. Core competencies and outsourcing opportunities. Process for outsourcing. Exit plans for outsourcing. Developing a business case for outsourcing.

SKILL DEVELOPMENT

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- 1. S. Chopra and P. Meindl, Supply Chain Management, Prentice Hall, 2010 (4th Edition)
- 2. Rahul V. Altekar, 'Supply Chain Management- Concepts and Cases'; Prentice Hall of India, Latest edition.
- 3. Simchi, D., Kaminsky, P., et al 'Designing and Managing the Supply ChainConcepts, Strategies and Case Studies'; McGraw-Hill Companies, Latest edition.
- 4. W.J. Hopp and M.L. Spearman. Factory Physics: Foundations of Manufacturing Management. Irwin, McGraw-Hill, 1996.
- 5. N. Viswanadham. Analysis of Manufacturing Enterprises. Kluwer Academic Publishers, 2000.
- 6. Sridhar Tayur, Ram Ganeshan, Michael Magazine (editors). Quantitative Models for Supply Chain Management. Kluwer Academic Publishers, 1999.
- 7. R.B. Handfield and E.L. Nochols, Jr. Introduction to Supply Chain Management. Prentice Hall, 1999.
- 8. N. Viswanadham and Y. Narahari. Performance Modeling of Automated manufacturing Systems. Prentice Hall of India, 1998.
- 9. Sunil Chopra and Peter Meindel. Supply Chain Management: Strategy, Planning, and Operation, Prentice Hall of India, 2002.
- 10. Jeremy F. Shapiro. Modeling the Supply Chain. Duxbury Thomson Learning, 2001.

5.6 SOURCES FOR LOGISTICS & SUPPLY CHAIN

OBJECTIVE:

UNIT – 1: SOURCING 08 Hrs

Definition. Approaches to sourcing. Sole sourcing – Single, Dual & Multiple sourcing arrangements. Tendering – Open, Restricted and Negotiated approaches. Intra - company trading and transfer pricing arrangement. Implications of international sourcing.

Unit – 2: EXTERNAL SOURCING

16 Hrs

Criteria for sourcing requirement from external suppliers – quality assurance, environmental and sustainability, technical capabilities, system capabilities, labour standards, financial capabilities. Award criteria – price, total life cycle costs, technical merit, added value solutions, systems, resources.

UNIT – 3: ASSESSMENT OF FINANCIAL STABILITY

12 Hrs

Sources of information on potential suppliers' financial performance. Financial reports – Profit & Loss Statements, Balance Sheets, and Cash Flow Statements. Ratio Analysis on Liquidity, Profitability, Gearing and Investment. Role of credit rating agencies.

UNIT – 4: ASSESSMENT OF MARKET DATA

12 Hrs

Analyzing Suppliers' Market. Secondary Data on Markets & Suppliers. Indices that measure economic data. Process of obtaining tenders and quotations. Decision criteria for tenders and quotations. Criteria to assess tenders and quotations – use of weighted points system.

Unit – 5: LEGISLATIVE, REGULATORY & ORGANIZATIONAL REQUIREMENTS

08 Hr

Legislative, Regulatory & Organizational Requirements when sourcing from not-for-profit, private and public sector suppliers. Competitive tendering process. Timescales on tendering process. Procedure for award of contract. Regulatory bodies.

SKILL DEVELOPMENT:

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- 1. Donald Waters, Logistics An Introduction to Supply Chain Management, PALGRAVE MACMILLAN, New York,
- 2. John Gattorna, Handbook of Logistics and Distribution Management.
- 3. P. Fawcett, R. McLeish and I Ogden, Logistics Management.
- 4. D.M. Lambert & J R Stock, Richard D Irwin Inc., Strategic Logistics Management.

6.5 CONTRACT AND BUSINESS NEGOTIATION FOR PURCHASING & SUPPLY CHAIN

OBJECTIVE

UNIT - 1: INTRODUCTION TO CONTRACTS & COMMERCIAL NEGOTIATION

08 Hr

Contracts for supply of goods or services & their documentation. Invitation to tender and quotations. Key performance indicators (KPIs). Contractual terms. Pricing and Other Schedules. Commercial negotiations – sources of personal power, organizational power, comparison of powers of suppliers and purchasers

UNIT – 2: COMMERCIAL AND CONTRACTUAL AGREEMENTS 16 Hrs

Legal issues for Commercial & Contractual agreements – Essentials of a valid contract – offer, acceptance, consideration, capacity to contract, etc. The Vienna Convention on the International Sale of Goods. Types of agreements – One-off purchases, framework agreements, mini competitions, calloffs, service contracts, contracts for hire and leasing of assets

UNIT - 3: COMMERCIAL NEGOTIATION IN RELATION TO SUPPLY CHAIN

12 Hrs

Sources of conflict in relation to commercial negotiation. Team management in commercial negotiation. Approaches for commercial negotiations — Win-win integrative approach, Win-lose approach, Lose-lose approach.

UNIT – 4: COSTS AND PRICES IN COMMERCIAL NEGOTIATIONS 12 Hrs

Types of costs – Direct & Indirect, Fixed & Variable. Break-Even-Analysis, CVP Analysis, Costing Methods – Absorption costing, Marginal Costing & Activity Based Costing. Volumes, Margins and Mark-ups and their impact on pricing. Influence of Micro and Macro economic factors on commercial negotiation.

UNIT - 5: COMMUNICATION AIDS TO UNDERTAKING COMMERCIAL NEGOTIATIONS 08 Hrs

Stages of Commercial Negotiations – Preparation, Opening, Testing, Proposing, Bargaining, Agreement & Closure. Influence of behavior on commercial negotiation. Methods of commercial negotiations – Persuasion method, use of tactics, communication skills. Influence of culture on commercial negotiations. Resources required for commercial negotiations.

SKILL DEVELOPMENT

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- 1. R.B. Handfield and E.L. Nochols, Jr. Introduction to Supply Chain Management. Prentice Hall, 1999.
- 2. N. Viswanadham and Y. Narahari. Performance Modeling of Automated manufacturing Systems. Prentice Hall of India, 1998.
- 3. Sunil Chopra and Peter Meindel. Supply Chain Management: Strategy, Planning, and Operation, Prentice Hall of India, 2002.
- 4. Jeremy F. Shapiro. Modeling the Supply Chain. Duxbury Thomson Learning, 2001.
- 5. David Simchi Levi, Philip kaminsky, and Edith Simchi Levi. Designing and Managing the Supply Chain: Concepts, Strategies, and Case Studies. Irwin McGrawHill, 2000.

6.6 MANAGING PROCUREMENT CONTRACTS AND RELATIONSHIP

OBJECTIVE

UNIT – 1: DYNAMICS OF RELATIONSHIPS IN SUPPLY CHAINS 08 Hrs

Types of relationships – internal and external. Relationship spectrum, Relationship life cycle, Classification of competitive forces on relationships. Impact of Social, Technological, Economic, Environmental, Political, Legislative and Ethical (STEEPLE) factors on supply chains.

UNIT – 2: LEGAL ASPECTS ON PERFORMANCE OF CONTRACTS 16 Hrs

Interpretation of financial and technical data relating to the performance of contracts. Elements of a legally binding agreement. Implied and express terms that affect the performance of contracts. Vital and non-vital terms, breach of contracts, assessment of damages, limits of liability, procedure for termination.

UNIT – 3: CONTRACT MANAGEMENT

12 Hrs

Responsibilities for contract management, Contract implementation plans and on-going demand management. Planning and governance for contract management. Responsibilities of a contract manager.

UNIT – 4: CONTRACTUAL RISK & CONFLICT RESOLUTION 12 Hrs

Types of contractual risks – internal, market, economic, legal, ethical and external. Assessment of contractual risks. Approaches to conflict resolution – Negotiated settlement, Alternative dispute resolutions, other mechanisms

UNIT - 5: SUPPLIER RELATIONSHIP MANAGEMENT

08 Hrs

Definitions and Comparison of Contract Management & Supplier Relationship Management. Techniques for supplier relationship management, Approaches to supplier development, Techniques for relationship improvement.

SKILL DEVELOPMENT

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- 1. N. Viswanadham and Y. Narahari. Performance Modeling of Automated manufacturing Systems. Prentice Hall of India, 1998.
- 2. Sunil Chopra and Peter Meindel. Supply Chain Management: Strategy, Planning, and Operation, Prentice Hall of India, 2002.
- 3. Jeremy F. Shapiro. Modeling the Supply Chain. Duxbury Thomson Learning, 2001.
- 4. David Simchi Levi, Philip kaminsky, and Edith Simchi Levi. Designing and Managing the Supply Chain: Concepts, Strategies, and Case Studies. Irwin McGrawHill, 2000.
- 5. Donald Waters, Logistics An Introduction to Supply Chain Management, PALGRAVE MACMILLAN, New York,
- 6. Dr. Martin Khan, Sales & Distribution Management
- 7. Dr. S. V. Bhave, Physical Distribution Management