

UNIVERSITY OF KALYANI

Department of Commerce

Kalyani – 741235; West Bengal

Master of Commerce (M.Com.)

CURRICULUM

on the basis of

Learning Outcome-based Curriculum Framework (LOCF)

With effect from 2021-2023 academic session

(Approved in the PGBOS meeting held on 22.10.2021)

Course Structure of M.Com. Curriculum

M. Com. (1st SEMESTER)

Paper Code	Paper Name	Course Type	Theory/ Practical	Credit	Marks
MC 101	Business Economics	Core Course	Theory	4	50
MC 102	Marketing Management	Core Course	Theory	4	50
MC 103	Human Resource Management	Core Course	Theory	4	50
MC 104	Accounting Theory and Accounting Standards	Core Course	Theory	4	50
MC 105	Advanced Cost & Management Accounting	Core Course	Theory	4	50
MC 106	Term Paper on Social Outreach	Ability Enhancement Compulsory Course(AECC)	Practical	2	25
Total				22	275

M. Com (2nd SEMESTER)

Paper Code	Paper Name	Course Type	Theory/ Practical	Credit	Marks
MC 201	Business Environment	Core Course	Theory	4	50
MC 202	International Business and Finance	Core Course	Theory	4	50
MC 203	Business Statistics	Core Course	Theory	4	50
MC 204	Research Methodology	Core Course	Theory	4	50
MC 205	Financial Institutions, Markets and Services	Core Course	Theory	4	50
<p>In this semester, 4 credit points are to be earned by way of pursuing General Elective Course(GEC) offered by other department of this University or may be in the form of Course from SWAYAM platform, subject to the prior approval of the appropriate University authorities</p>					
MC 206	Personal Income Tax	Generic Elective Course (GEC)- Open Course	Theory	4	50
Total				24	300

M. Com (3rd SEMESTER)

Paper Code	Paper Name	Course Type	Theory/ Practical	Credit	Marks
MC 301	Financial Management	Core Course	Theory	4	50
MC 302	Direct Tax	Core Course	Theory	4	50
MC 303	Operations Research	Core Course	Theory	4	50
MC 304	Computer Applications in Business	Core Course	Practical	4	50
MC 305	Indirect Tax	Core Course	Theory	4	50
MC 306	Taxation in Computerised Environment	Skill Enhancement Course(SEC)	Practical	2	25
Total				22	275

M. Com (4th SEMESTER)

Paper code	Paper	Course Type	Theory/ Practical	Cred it	Marks
Any one from the following Discipline Specific Elective(DSE) group					
Group A: Accounting and Finance					
MC 401A	Financial Accounting & Reporting	Discipline Specific Elective Course(DSE)	Theory	4	50
MC 402A	Advanced Auditing	Discipline Specific Elective Course(DSE)	Theory	4	50
MC 403A	Financial Statement Analysis	Discipline Specific Elective Course(DSE)	Theory	4	50
MC 404A	Security Analysis and Portfolio Management	Discipline Specific Elective Course(DSE)	Theory	4	50
Group B: Banking and Insurance					
MC 401B	Indian Banking System	Discipline Specific Elective Course(DSE)	Theory	4	50
MC 402B	Retailing and CRM in Banking	Discipline Specific Elective Course(DSE)	Theory	4	50
MC 403B	General Insurance and Reinsurance	Discipline Specific Elective Course(DSE)	Theory	4	50
MC 404B	Life Insurance	Discipline Specific Elective Course(DSE)	Theory	4	50
MC 405	Project/Dissertation		Practical	8	100
Total				24	300
Grand Total				92	1150

Note: Students will select any one of Group A or Group B for DSE.

Course Credit Distribution for M.Com. Curriculum

Sl. No	Nature of Papers	Total No. of Papers	Credit in Paper	Total Credits
1	Core Course	15	4	60
2	DSE (Discipline Specific Elective)	04	4	16
3	GEC (Generic Elective/Interdisciplinary/Open Course)	01	4	04
4	AECC (Ability Enhancement Compulsory Course)	01	2	02
5	SEC (Skill Enhancement Course)	01	2	02
6	Project/Dissertation	01	8	08
	Total	23		92

Course Distribution for M.Com. Curriculum

Semester	Core Course (15)	DSE (4)		GEC (1)	AECC (1)	SEC (1)
I	MC 101				MC 106 - Term Paper on Social Outreach (AECC)	
	MC 102					
	MC 103					
	MC 104					
	MC 105					
II	MC 201			MC 206 - Personal Income Tax (GEC)		
	MC 202					
	MC 203					
	MC 204					
	MC 205					
III	MC 301					MC 306 - Taxation in Computerised Environment (SEC)
	MC 302					
	MC 303					
	MC 304					
	MC 305					
IV	MC 405 (Project/Dissertation)	GROUP A	GROUP B			
		MC 401A	MC 401B			
		MC 402A	MC 402B			
		MC 403A	MC 403B			
		MC 404A	MC 404B			

Note: Students will select any one of Group A or Group B for DSE.

Course Content Structure for M.Com. Curriculum

First Semester

Business Economics Paper Code: MC 101 (Core Course, Credit 4)

Full Marks: 50 (Term End Exam- 40 and Internal Assessment- 10)

Learning Objective of the Course: To familiarize the students with the impact of economic forces on businesses, consumers and the environment and to develop an understanding of business issues and develop analytic skills for solving business problems.

Module I

UNIT 1: Demand Analysis and Theory of Consumer Behaviour: Law of Demand, Elasticity of demand - price, income, cross and advertisement, the objective of the consumer, the principle of utility maximization- one commodity and two-commodities cases, The Indifference Curve Analysis- the maximization of utility subject to the budget constraint- Lagrange multiplier, Demand forecasting: meaning, importance and simple problems.
LH:18

UNIT 2: Theory of Producer Behaviour: The objective of the producer- the least cost combination of factors, Law of Variable Proportions, relation between AR and MR, different types of isoquants, Cobb-Douglas production function- properties, Elasticity of substitution: definition, Simple numerical and algebraic problems, Concept of returns to scale. LH:08

UNIT 3: Theory of Cost: Short run and long run cost curves, various types of costs and relation between them. LH:04

Module II

UNIT 4: Markets and determination of prices: Definition of a market and its classifications, perfectly competitive market, monopoly market (dead weight loss case), price discrimination, monopolistically competitive market, Oligopoly- Kinked-demand curve model, Price leadership model, Cournot Model and Stakelberg Model. LH:16

UNIT 5: Pricing Strategies: Price Skimming, Price penetration, Peak Load Pricing LH:02

UNIT 6: Macro Economics: Relation between GNP and Welfare of the people, Consumption function- different hypotheses (concepts only), paradox of thrift, IS curve and LM curve, demand for money- relation between rate of interest and transaction demand for money, idea of Phillips curve. LH:12

Learning Outcome of the Course:

1. The students will learn about the basics of business economics and understand the existence of mutual cause-effect relationship between business and economy.
2. They will develop the skill of the applying marginal analysis and opportunity cost in order to take better business decisions.
3. They will be able to analyze the operations of markets under competitive vis-à-vis

non-competitive conditions.

4. They will be able to analyze the causes and consequences of unemployment, inflation, changes in fiscal and monetary policies on economic growth and business environment.

Suggested Readings:

1. Ahuja, H.L.: Business Economics- Microeconomic Analysis, Sultan Chand Publications, New Delhi.
2. Adhikari, M: Business Economics, Exult Books, New Delhi.
3. Ackley, G: Macro-Economic Theory.
4. Baumol, Willam: Economic Theory and Operations Analysis, Prentice Hall, London.
5. Branson: Macro-Economic Theory and Policy.
6. Dean, Joel: managerial Economics, Prentice Hall, Delhi.
7. Todero, M: Economic Development in the Third World.
8. Koutsyanis: Modern Micro- Economics.
9. Versney, R.L. & Maheshary, K.L.: Managerial Economics, SultanChand & Sons , New Delhi.

Paper Code: MC 102 Marketing Management (Core Course, Credit 4)

Full Marks: 50 (Term End Exam—40 and Internal Assessment - 10)

Learning Objective of the Course: To familiarize the students with the basic concepts and principles of marketing and to develop their conceptual and analytical skills in decision making under various environmental constraints.

Module I

UNIT 1: Introduction to Marketing Management: Marketing Concepts, Evolution of Marketing Concept, Marketing Mix, Marketing Planning, Marketing Environment. [LH: 10]

UNIT 2: Analysing Consumer Behaviour: Consumer Behaviour, Consumer Buying process; Factors influencing Consumer Buying Decisions, Consumer Protection Act, 2019. [LH: 12]

UNIT 3: Market Segmentation and Targeting: Concept of segmentation and targeting, Basis for segmentation, Product positioning. [LH: 8]

Module II

UNIT 4: Product and Price: Managing the Product, Product Decisions, Product Line, Product Mix, Product Life Cycle, New Product Development, Branding and Packaging Decisions, Pricing Products – Importance, Factors influencing pricing, Pricing policies and strategies.[LH: 16]

UNIT 5: Promotion and Place Mix: Elements of promotion mix - Advertising, Sales Promotion, Personal Selling, and Publicity; Direct marketing and online marketing,

Distribution channels and logistics management.

[LH: 8]

UNIT 6: Trends in Marketing: Social marketing, Green marketing, Rural marketing, Service marketing etc. [LH: 6]

Learning Outcome of the Course:

1. The students will learn about the fundamentals of marketing including marketers' perspectives and their market orientations. They will also learn about the dynamic and volatile marketing environment to enable them to take better marketing decisions.
2. The students will understand the concepts of product design, new product development, product life cycle for various products & services and also learn the nuances and complexities involved in pricing decisions.
3. The students will develop the skills to critically analyze the promotion-mix in the light of competitive market environment and learn the importance and implications of distribution & channel decisions in marketing.
4. The students will understand the implications of current trends in social media marketing and emerging marketing trends.

Suggested Readings:

1. Kotler, Philip, Armstrong, G, Agnihotri and Haque: Principals of Marketing- A South Asian Perspective, Pearson Education.
2. Kotler Philip, Keller, K.L., Koshy and Jha: Marketing Management- A South Asian Perspective, Pearson Education.
3. Kotler Philip and Armstrong, G.: Principles of Marketing, PHI.
4. Stanton, Willam J.: Fundamentals of Marketing, McGraw Hill.
5. Ramaswamy, V.S. and Namakumari, S.: Marketing Management, McMillan.
6. Bhattacharya K. Sisir.: Marketing Management, National Publishing House.
7. Dalrymple, J.D. and Parson, J.L.: Marketing Management Strategy and Cases, John Wiley and Sons.
8. Saxena, Rajan: Marketing Management, Tata McGraw Hill, New Delhi.

Paper Code: MC 103
Human Resource Management
(Core Course, Credit 4)

Full Marks: 50 (Term End Exam- 40 and Internal Assessment- 10)

Learning Objective of the Course: To make acquainted the students with the basic concepts and principles of human resource management and planning and to develop their understanding and analytical skills in decision making under different environmental constraints.

Module I

UNIT 1: Introduction to Human Resource Management: Concepts, Evolution of HRM, Objectives & Functions of HRM, Introduction to Human Resource Planning. [LH: 12]

UNIT 2: Performance Appraisal: Concepts, Objectives, Advantages & Disadvantages, Performance Appraisal Methods. [LH: 12]

UNIT 3: Strategic Human Resource Management: Introduction, Features, Models of Strategic HRM, Types of HR Strategies. [LH: 6]

Module II

UNIT 4: Individual Perspective in the Organization: Personality, Perception, Attitudes, Emotions, Values. [LH: 14]

UNIT 5: Group Behaviour: Team Building, Group Formation, Group Behaviour. [LH: 8]

UNIT 6: Conflict: Concepts, Conflict Process, Conflict Resolution Techniques, Negotiation. [LH: 8]

Learning Outcome of the Course:

1. The students will learn about the fundamentals of human resource management and planning.
2. The students will understand the concepts of Performance Appraisal and its various methods.
3. The students will be able to develop an idea on Strategic HRM.
4. The students will understand the individual and group perspective in the organization. They will simultaneously be able to understand various types of conflicts.

Suggested Readings:

5. V.S. Rao: Human Resource Management- Text and Cases, Excel Books, 2000.
6. Garry Dessler and Biju Barrkey: Human Resource Management, Pearson, 2004.
7. Prasad L M: Human Resource Management, Sultan & Chand, 2001.
8. Biswajit Pattanayak: Human Resource Management, PHI Learning, 2018.
9. K. Aswathappa: Human Resource Management: Text & Cases, Mcgraw Hill, 2017.
10. Luthans, F: Organisational Behaviour, Mcgraw Hill, 1973.
11. Robbins, S.P: Organisational Behaviour, Prentice Hall, 1988.
12. Prasad L M: Organisational Behaviour, Mcgraw Hill, 2002

Paper Code: MC 104 **Accounting Theory and Accounting Standards** **(Core Course, Credit- 4)**

Full Marks: 50 (Term End Exam-40, Internal Assessment-10)

Learning Objective of the Course: To acquire conceptual as well as technical knowledge of the financial accounting;

Module I

Unit 1: Framework: Framework for Preparation and Presentation of Financial Statements in accordance with Indian Accounting Standards issued by the ICAI (i) Purpose, Status and Scope of the Framework (ii) Meaning, Objectives and Types of Financial Statements (iii) Users and Their Information Needs (iv) Qualitative Characteristics of Information (v) Elements of Financial Statements: Meaning, Types and characteristics (vi) Recognition of Elements of Financial Statements (vii) Meaning and Bases of Measurement of Elements of Financial Statements (viii) Concept of Capital and Capital Maintenance. **(LH: 18)**

Unit 2: Accounting and Reporting of the effect of changes in price level: Concepts, objective and methods- Current Purchasing Power (CPP), Current Cost Accounting (CCA), Ind. AS 29.

(LH: 4)

Unit 3: Human Resource Accounting (HRA), Social Responsibility Accounting (SRA), Environmental Accounting. **(LH: 8)**

Module II

Unit 4: An Overview of IFRSs. **(LH: 4)**

Unit 5: Indian Accounting Standards (Ind ASs)

Introduction to the Companies (Indian Accounting Standards) Rules, 2015. Some of the Ind ASs are to be taught, like- Ind AS 1: Presentation of Financial Statements; Ind AS 2: Inventories; Ind AS 8: Accounting Policies, Changes in Accounting Estimates and Errors; Ind AS 10: Events after the Reporting Period; Ind AS 16: Property, Plant : and Equipment; Ind AS 37: Provisions, Contingent Liabilities and Contingent Assets; Ind AS 113: Fair Value Measurement, etc. **(LH: 26)**

Learning Outcome of the Course:

After successful completion of the course,

1. Students will learn fundamental concepts underlying preparation and presentation of Financial Statements in accordance with Indian Accounting Standards.
2. Students will develop the skill to analyse and interpret various kinds of business transactions (i.e. involving recognition).
3. Students will be able to apply their knowledge for preparation and presentation of Financial Statements (i.e. involving measurement and disclosure).

4. Students will conceptualise various kinds of accounting like Inflation Accounting, Human Resource Accounting (HRA), Social Responsibility Accounting (SRA), Environmental Accounting (EA).

Suggested Readings:

1. L. S. Porwal: Accounting Theory, Tata McGraw-Hill Publishing Company Limited, New Delhi, Latest Edition.
2. E. S. Hendriksen: Accounting Theory, Khosla Publishing House, New Delhi, Fourth Edition.
3. Relevant Publications of the ICAI.
4. Companies (Indian Accounting Standards) Rules 2015.
5. Other Materials to be supplied from time to time in the Class Room.

Paper Code: MC 105
Advanced Cost & Management Accounting
(Core Course, Credit 4)

Full Marks: 50 (Term End Exam - 40 and Internal Assessment - 10)

Learning Objective of the Course: To boast knowledge of the students of the different units of this paper. This can be achieved by providing intelligent lecture hours in order to build clear understanding of the concepts and practical problems that are dealt with in the industry and corporate houses for taking managerial economic decisions.

Module I

UNIT 1: Process Costing—Equivalent Units (Average and FIFO methods)—Costing of Joint Products and By-products. Activity Based Costing—Target Costing—Life Cycle Costing. [L H: 10]

UNIT 2: Marginal Costing—Definition of Marginal Cost, Marginal Costing--Marginal Cost Equation and Problems for Managerial Decisions (Problems on diversification of products, fixation of selling price, multi-product BEP, selection of profitable product-mix, limiting factor, make or buy, alternative methods of manufacture, continue or shut down of production, accepting or rejecting foreign order etc.) [L H: 10]

UNIT 3: Standard Costing and Variance Analysis (Material, Labour, Overhead and Sales)—Reporting of Variances. [L H: 10]

Module II

UNIT 4: Budgets and Budgetary Control—Meaning of Budget, Budgeting and Budgetary Control—Problems on Cash Budget, Flexible Budgets, Production Budget, Production Cost Budget; Other Functional Budgets and Master Budget. [L H: 16]

UNIT 5: Pricing Decisions and Transfer Pricing; and Responsibility Accounting. [L H: 8]

UNIT 6: Fund Analysis—Preparation of Cash Flow Statement and Critical Analysis of Cash Flows. [L H: 6]

Learning Outcome of the Course:

- (1) The students will be able to gain adequate knowledge both theoretical and practical problems in respect of Equivalent Units, Joint Products and By-products. They will also acquire knowledge on Activity Based Costing, Target Costing and Life cycle Costing.
- (2) They will be able to deal adequately with various issues on Marginal Costing in the matter of managerial decisions.
- (3) They will be in a position to show their efficiency in making Standard Costing and Variance Analysis and Reporting of Variances.
- (4) They will be competent to deal with different types of Budgets And Budgetary Control satisfactorily as per present requirements of the industry and business houses.
- (5) They can be capable of dealing comfortably with various issues on Pricing Decisions and Transfer Pricing; and Responsibility Accounting as well.
- (6) They will learn how to prepare Cash Flow Statement and to make critical analysis of cash flows to suit the requirements of the enterprises.

Suggested Readings:

1. Banerjee, B.: Cost Accounting
2. Prasad, N. K.: Advanced Cost Accounting
3. Banerjee, S.: Cost Accounting
4. Bhar, B. K.: Cost Accounting
5. Jawahar Lal: Cost Accounting
6. Jain & Narang: Cost Accounting
7. Kanhaiya Singh: Management Accounting
8. Saxena & Vashit: Advanced Cost and Management Accounting
9. Horngren, C.T., Datar, S. M. and Foster, G.: Cost Accounting—A Managerial Emphasis
10. Rao, M.E., Thukaram: Cost & Management Accounting
11. Colin Drury: Management and Cost Accounting
12. Horngren and Sundem: Management Accounting

Paper Code: MC 106
Term Paper on Social Outreach
(Ability Enhancement Compulsory Course, Credit 2)

Full Marks: 25 (Term Paper- 15 and Internal Assessment - 10)

Learning Objective of the Course: To create an awareness of self-worth, to provide facilities for improving the conditions of society, to stimulate self-reliance and development within society, to empower, train and support poor people to take responsibility within their society, to encourage all sections of people in the society.

UNIT 1: Defining the Marginalised People

Understanding the Marginalised People. Understanding the Social Problems of Marginalised People. Types of Marginalised People - identifying the resources of the Marginalised People.

UNIT 2: Rapport and Networking

Establishing Rapport of Marginalised People with the Society - Networking with NGOs and Government Dept. Identifying Marginalised Groups in the Society Equipping with the skills to address issues such as Education, Health, and Livelihood issues.

UNIT 3: Societal Programme Planning and Implementation

Identifying the issues, Need based analysis on specific issues, Invitation, Pamphlets, Inviting participants, Content designing, identifying & Selection of tools, venue arrangements, and tapping the resources. Identifying the stakeholders – Budgeting- Communication - Implementation of the planned activity, reporting awareness for an issue identified and build capacity to carry out that awareness programme, Entrepreneurial skills.

Note: Term paper would be around 1000 words.

Learning Outcome of the Course: 1. Students will categorize social skills.

2. They will develop networking skills with others.

3. They will also define the role and function of marginalized sections of the society.

4. Students will recognize the socio-economic conditions and the importance of marginalized people.

5. They will identify the government response in terms of policies to address the needs of the marginalized people.

Second Semester

Paper Code: MC 201
Business Environment
(Core Course, Credit 4)

Full Marks: 100 (Term End Exam- 40 and Internal Assessment- 10)

Learning Objective of the Course: The objective of the course is to make the students acquainted with the basic concepts related to Business Environment. The students will be able to develop an idea on Social environment, economic environment, and political environment of Business and also on Business Ethics.

Module I

UNIT 1: Theoretical Framework of Business Environment: Introduction to Business Environment, Environmental Analysis. [LH: 12]

UNIT 2: Social Environment of Business: Social Responsibility of Business, Business & Society, Corporate Governance. [LH: 12]

UNIT 3: Political Environment of Business: Introduction to Political Environment, Business and The State. [LH: 6]

Module II

UNIT 4: Globalization, Liberalization & Business Environment: Globalization, and Liberalization. [LH: 10]

UNIT 5: Economic Environment: Economic Systems, Economic Planning in India, Industrial Policy. [LH: 10]

UNIT 6: Business Ethics: Ethical Issues in Business Environment, Managing Ethics, Improving Ethical Decision Making. [LH: 10]

Learning Outcome of the Course:

1. The students will learn about the fundamentals of Business Environment.
2. They will understand the impact of Globalization, Liberalization on Business environment.
3. The course would also make the students capable of analyzing and understanding the macro-economic policies of the government and adjust them in decision making.

Suggested Readings:

1. B.N. Ghosh: Business Environment, Oxford University Press.
2. C. B. Gupta: Business Environment, Sultan Chand & Sons.
3. Shaikh Saleem: Business Environment, Pearson.
4. Suresh Bedi: Business Environment, Excel Books.
5. K. Aswathappa: Essentials of Business Environment, Himalaya Publishing House.
6. Justin Paul: Business Environment-Text & Cases, Tata Mcgraw Hill.
7. M. Adhikary: Economic Environment of Business, Sultan Chand & Sons.

Paper Code: MC 202

**International Business and Finance
(Core Course, Credit 4)**

Full Marks: 100 (Term End Exam- 40 and Internal Assessment- 10)

Learning Objective of the Course: To familiarize the students with the basic concepts of international business as well enable them to understand how business, finance and trade are interlinked in today's globalized world. This course will provide students with the knowledge, skills, and abilities to understand the global economic, political and social environment within which firms operate.

Module I

UNIT 1: International trade: International Trade vs Inter-Regional Trade, Trade theories- Mercantilist Theory, Smith Theory of Absolute Advantage, Ricardian Theory of Comparative Advantage, Gains from Trade. LH:08

UNIT 2: Terms of Trade: Meaning, different types of Terms of Trade - Net Barter Terms of Trade, Gross Barter Terms of Trade and Income terms of Trade, Balance of Payments- Balance of Trade vs. Balance of Payments, Current A/C and Capital A/C, Equilibrium in the Balance of Payments. LH:08

UNIT 3: Foreign Exchange Rate and Foreign Exchange Markets: Meaning, fixed rate, floating rate and flexible rate. Determination of the equilibrium exchange rate, causes of change in the exchange rate, the foreign exchange market- spot and forward markets, Purchasing Power Parity Theory. Devaluation- Meaning, necessity and conditions for successful devaluation, Tariffs and Quota. LH:14

Module II

UNIT 4: Structure of India's foreign trade: A brief history of India's foreign trade since independence, composition and direction of India's foreign trade, India and the World trade. Export Promotion and import substitution, EXIM Policy of India, FEMA. LH:08

UNIT 5: Foreign direct investment (FDI) and Foreign portfolio investment (FPI); Types of FDI, Costs and benefits of FDI to home and host countries; Trends in FDI; India's FDI policy. LH:10

UNIT 6: Regional economic integration: SAARC, ASEAN, European Union, WTO, NAFTA
LH:06

UNIT 7: International economic institutions: IMF, WORLD BANK, ADB, UNCTAD
LH:06

Learning Outcome of the Course:

1. The students will be able to inter-relate the trade theories with the economic development as well as understand the benefits and impediments that trade brings in for economic development.
2. They would be able to understand the basics of the working of the foreign exchange market.
3. They would be able to analyze the nature and outcome of international integration of an economy with various regional and international organizations and associations.

Suggested Readings:

1. Apte, P.G.: International Financial Management, Tata McGraw Hill.
2. Cherunilam, Francis: International Business Environment, Himalaya Publishing House, Mumbai.
3. Reid W. Click and Jashua D. Coval: International Financial Management, Pearson Education.
4. Datt, Ruddar and Sundharam, K.P.M.: Indian Economy, S.Chand& Company Limited, New Delh.
5. Economic Survey, Government of India: Relevant Issues.
6. Jhingan, M.L.: International Economics, Vrinda Publications.
7. Kindle Berger: International Economics.
8. Misra, S.K. and Puri, V.K.: Indian Economy, Himalaya Publishing House, Mumbai.

Paper Code: MC 203**Business Statistics****(Core Course, Credit 4)****Full Marks: 100 (Term End Exam- 40 and Internal Assessment- 10)**

Learning Objective of the Course: To familiarize the students with the statistical tools that would enable them to describe and analyze data and make evidence based decisions using inferential statistics.

Module I

UNIT 1: Probability and Theoretical Distribution- Probability, conditional probability, Baye's theorem, random variable and probability distribution, Binomial distribution, Poisson distribution and Normal distribution. LH:12

UNIT 2: Association between three or more variables- Correlation vs. regression Multiple correlation and multiple regression, results & interpretations, test of multicollinearity, partial correlation - properties, results & interpretations. LH:08

UNIT 3: Sampling Distribution- Concept of Sampling, Sampling and Non sampling error-

Bias, population vs. sample, probabilistic and non-probabilistic methods of sampling, population and sample mean, SRSWR vs. SRSWOR, standard error, determination of sample size, Central Limit Theorem. LH:10

Module II

UNIT 4: Estimation theory- Point and interval estimation of population mean, proportion and variance, properties of point estimators. LH:08

UNIT 5: Testing of Hypotheses-I (Parametric Tests) - Logic of Hypotheses testing, Z and t test for population mean, proportion and variance. LH:10

UNIT 6: Testing of Hypotheses-II (Nonparametric Tests)- Test of Association, Analysis of Variance, Test of regression coefficients, Mann-Whitney (U) test, Kruskal Wallis (H) test, Rank correlation test. LH:12

Learning Outcome of the Course:

1. The students will be able understand the fundamental quantitative theory and gain a perspective to utilize statistical tools to support business intelligence and data analysis needs of modern organizations.
2. They would be imparted with basic skills for application of quantitative techniques in business situations.
3. They will be able to conduct and interpret a variety of hypotheses tests to aid decision making in a business context.
4. Use simple as well as multiple regression models to analyze the underlying relationships between the variables through hypothesis testing.

Suggested Readings:

1. S. P. Gupta, Statistical Methods, Sultan Chand & Sons.
2. N.G. Das, Statistical Methods, McGraw Hill Publications.
3. J. K. Sharma, Business Statistics, Pearson.
4. C.R. Kothari, Research Methodology-Methods & Techniques, Wishwa Prakashan.
5. Krishnaswami, Sivakumar and Mathirajan, Management Research Methodology, Pearson.

Paper Code: MC 204

Research Methodology

(Core Course, Credit 4)

Full Marks: 50 (Term End Exam- 40 and Internal Assessment- 10)

Learning Objective of the Course: The purpose of this course is to enable students learn the process, tools and techniques of research methodology.

Module I

UNIT 1: Introduction to Research: Defining research and research methodology, Types of research-basic and applied research, Process of research, Features of a good research study, Research applications in business decisions, Problem identification and definition, Process of problem identification, Developing a research proposal, Significance of review of literature.

UNIT 2: Research Design: The nature of research designs, Process of formulation of research design, Classification of research designs - exploratory, experimental and descriptive, Concept and classification of experimental designs.

UNIT 3: Data Collection Methods: Classification of data, Research applications of secondary and primary data, Secondary data sources and usage, online data sources, Primary data collection – Survey and observation.

Module II

UNIT 4: Questionnaire: Types, Designing of questionnaire, Essentials of a good questionnaire

UNIT 5: Measurement and Scaling: Concept of measurement, Scales of measurement, Measurement accuracy – reliability and validity, Different attitude measurement scales.

UNIT 6: Research Report and Modern Practices in Research: Meaning and definitions, Precaution in report writing, Steps in report writing, Structure and layout of research report, Requisites of a good research report, Use of report for further research, References and citation methods, Modern Practices - Ethical norms in research, plagiarism, role of computers in research

Learning Outcome of the Course:

1. Students will describe the meaning and role of research.
2. They will formulate the research problem and understanding the major research designs.
3. Students will determine data sources, understand data collection techniques and learn the art of designing a questionnaire.
4. They will understand different measurement and scaling techniques used in research.
5. They will learn how to communicate the results through research reporting.

Suggested Readings:

1. Bajpai Naval, Business Research Methods, Pearson.
2. Kothari, C.R., Research Methodology – Methods & Techniques, New Age Intl.
3. Ahuja, Ram., Research Methods, Rawat Publications.
4. Russell, Ackoff, L., The Design of Social Research, University of Chicago Press.
5. Wilkinson, T.S. and Bhandarkar, P.L., Methodology and Techniques of Social Research, Himalaya Publishing House.
6. Krishnaswamy, K.N., Sivkumar, K.I., Mathirajan, M., Management Research Methodology, Pearson Education.
7. Cooper, Donald R., Schindler Pomde S., Business Research Methods, Tata McGraw Hill.

Paper Code: MC 205
Financial Institutions, Markets and Services
(Core Course, Credit 4)

Full Marks: 50 (Term End Exam—40 and Internal Assessment - 10)

Learning Objective of the Course: To familiarize the students with the basic concepts and ideas of financial institutions, markets and services in India and to equip them with the knowledge and skills necessary to become employable in the financial service industry.

Module I

UNIT 1: Banking: Types of banks and their functions; Banking sector reforms in India; E-banking. [LH: 8]

UNIT 2: Reserve Bank of India: Functions, role and monetary policy management. [LH: 7]

UNIT 3: Financial Institutions: Development Finance Institutions (DFIs); Non-Banking Financial Companies (NBFCs); Mutual Funds. [LH: 15]

Module II

UNIT 4: Financial Markets: Money market; Capital market; Government securities market. [LH: 12]

UNIT 5: Stock Exchanges: Working of stock exchanges in India (including major exchanges in India like BSE and NSE). [LH: 13]

UNIT 6: Foreign Investment Instruments: GDRs, ADRs, IDRs – their role in Indian capital market. [LH: 5]

Learning Outcome of the Course:

1. To give students an overview of the role and function of the financial system in reference to the macro economy.
2. To create an awareness of the concepts, current structure and working of the Indian financial services sector in the students.
3. To give students an understanding of financial markets with focus on money market and capital market.
4. To make students understand the financial instruments available and their working in the financial system.
5. To equip students with the knowledge and skills necessary to become employable in the

financial service industry.

Suggested Readings:

1. Pathak, Bharati V.: The Indian Financial System, Pearson Education.
2. Das, Subhamoy: Perspectives on Financial Services, Allied Publishers.
3. Khan, M.Y.: Indian Financial System, McGraw Hill Education (India) Pvt. Ltd.
4. Bhole, L.M.: Financial Institutions and Markets, McGraw Hill Education (India) Pvt. Ltd.
5. Kohn, Meir: Financial Institutions and Markets, Oxford University Press.
6. Madura, Jeff: Financial Markets and Institutions, Cengage Learning.

Paper Code: MC 206
Personal Income Tax
(General Elective Course, Credit 4)

Full Marks: 50 (Term End Exam—40 and Internal Assessment - 10)

Learning Objective of the Course: To acquire basic knowledge of Income Tax laws relating to computation of taxable income and tax liability of an individual assessee, procedure of filing of income tax return and tax assessment procedure.

Module – I

Unit I: Basic Concepts under Income Tax Act – Assessee, Previous year, Assessment year, Income, Sources of income, Heads of income, Gross total income, Total income, Rate of tax applicable to individual assessee, Tax evasion, Tax avoidance, Tax planning, tax liability of an individual assessee, Residential Status and Incidence of Tax of an Individual Assessee, and incomes which do not form part of Total Income. **(LH: 4)**

Unit II: Computation of Income under the Head

(a) Salaries, (b) Income from House property **(LH: 8+6=14)**

Unit III: Computation of Income under the Head

(a) Capital Gains (b) Income from Other Sources **(LH: 8+4=12)**

Module - II

Unit IV: Income of other Persons included in Assessee's Total Income and Set off & Carry Forward of Losses – Remuneration of spouse, income from assets transferred to spouse and Son's wife, income of minor Inter source and inter head set off, Carry forward and set off of losses u/s 71B, 74, 74A., **(LH: 4+4=8)**

Unit V: Deductions from Gross Total Income - Deductions u/s 80C, 80CCC, 80CCD, 80CCE, 80CCF, 80D, 80DD, 80DDB, 80E, 80G, 80GG, 80QQB, 80T, 80U. **(LH: 6)**

Unit VI: Tax Returns and Assessment of Tax - Return of income, compulsory filing of return of income, e-filing of return, belated return, revised return, defective return, and advance payment of tax.

Summary assessment u/s 143(1), Scrutiny assessment u/s 143(3), Best judgment assessment u/s 144, Income escaping assessment u/s 147. **(LH: 8+8=16)**

Learning Outcome of the Course:

After successful completion of the course, Students will

1. Learn basic concepts and provisions of income tax
2. Be able to apply their knowledge for computation of income under different heads, computation of taxable income and tax liability of Individual assessee.
3. Develop skills for submission of income tax return.
4. Acquire knowledge of advance tax and tax assessment procedure.

Suggested Readings

1. Singhania, V. and Singhania, M., Students' guide to Income Tax, Taxmann
2. Ahuja & Gupta, Systematic Approach to Income Tax, Bharat Publications

Third Semester

Paper Code: MC 301

**Financial
Management
(Core Course, Credit 4)**

Full Marks 50 (Term End Exam— 40 and Internal Assessment 10)

Learning Objective of the Course: To help the students to develop cognizance of the importance of Financial Management and to enable them to synthesize related information and evaluate options for the most logical and optimal solutions relating to different areas of finance in the business world.

Module I

UNIT 1: Financial Management: Meaning, nature, scope and sources of finance; Financial goal- profit vs. wealth maximization; Finance functions- investment, financing and dividend decisions; Time value of money-Compounding and discounting techniques -Risk and Return-Risk diversification. [LH: 6]

UNIT 2: Capital Budgeting: Nature of investment decisions; Investment evaluation criteria- Non-discounted and Discounted Cash flow Approaches- - Net Present Value, Internal Rate of Return, Profitability Index, Pay Back Period, Accounting Rate of Return; NPV & IRR comparison; Project selection under capital rationing; Analysis of risk and uncertainty in capital budgeting decisions- risk evaluation approaches. [LH: 16]

UNIT 3: Dividend Policies: Issues in dividend decisions; Walters' model, Gordon's model; MM hypothesis; Dividend and uncertainty; Relevance of dividend policy in practice: Forms of dividends; Stability in dividend policy; Corporate dividend behaviour. [LH:8]

Module II

UNIT 4: Cost of Capital: Meaning & significance of Cost of Capital; calculation of cost of debt, preference capital, equity capital and retained earnings; Combined Cost of Capital (weighted), Cost of equity and CAPM. [LH: 12]

UNIT 5: Operating and Financial Leverage: Measurement of leverages; Effects of operating and financial leverage on profit; Analysing alternate financial plans; Combined financial and operating leverage. [LH: 9]

UNIT 6: Capital Structure: Theories and Planning: Traditional and MM hypothesis - without taxes and with taxes: determining capital structure in practice; in the price capital structure planning: Indifference point. [LH: 9]

Learning Outcome of the Course:

1. To give students an understanding of fundamental financial concepts, especially time value of money.
2. To demonstrate to the students the applicability of the concept of Financial Management to understand the managerial decisions and corporate capital structure.
3. To equip the students to be able to apply capital budgeting projects using both traditional and advanced techniques.
4. To enable students to apply the Leverage and EBIT-EPS Analysis associated with financial data in the corporate sector.
5. To empower students to handle the complexities associated with management of cost of funds in the capital structure.
6. To demonstrate to the students how the concepts of financial management and investment, financing and dividend policy decisions could integrate while identifying and resolving the problems pertaining to corporate sector.

Suggested readings:

1. Shapiro, Alan C.: Capital Budgeting and Investment Analysis, Pearson Education.
2. Van Horne, James C.: Financial Management & Policy, Pearson Education.
3. Arnold, Glen and Kumar, Mohan: Corporate Financial Management, Pearson Education.
4. Khan, M.Y. & Jain, P.K.: Financial Management, McGraw Hill Education (India) Pvt. Ltd.
5. Chandra, Prasanna: Financial Management, McGraw Hill Education (India) Pvt. Ltd.
6. Pandey, I.M.: Financial Management, Vikas Publishing.

Paper Code: MC 302
Direct Tax
(General Elective Course, Credit 4)

Full Marks: 50 (Term End Exam—40 and Internal Assessment - 10)

Learning Objective of the Course: The objectives of the paper is to know the fundamental principles of the Income Tax Act, compute the taxable income of a corporate and non-corporate assessee, analyse the tax assessment procedure, and understand the tax planning and management for managerial decisions.

Module - I

Unit - I: Assessment of Tax – Individuals (Capital Gains), Partnership Firms (AMT concept), and Cooperative Societies

Unit - II: Tax Assessment Procedure - Return of income, compulsory filing of return of income, e-filing of return, belated return, return of loss, revised return, defective return, summary assessment, regular assessment, best judgement assessment, income escaping assessment, time limit for assessment and reassessment, Rectification of Mistakes.

Unit - III: Advance Payment of Tax, Appeals and Revisions - Advance payment of tax, self assessment of tax, interest u/s 234B, 234C, etc. Appealable orders before Commissioner, Appeals to the Appellate Tribunal, Appeals to High Court and Supreme Court, Revision by the Commissioner, etc.

Module - II

Unit - IV: Corporate Tax – Meaning and salient features, computation of taxable income and tax liability of companies as per Normal Provisions, deductions from gross total income, MAT (Minimum Alternative Tax) and Tax Credit.

Unit - V: Tax planning for New Business - Setting up of new business, location and nature of new business, and form of business organisation.

Unit - VI: Tax planning and Financial Management Decision – Capital structure decision and dividend policy.

Learning Outcome of the Course: The student will know

1. The basic concepts of different aspects and provisions of income tax.
2. About submission of income tax return, advance tax, penalty interests, appeals and revisions under the Income Tax Act, 1961.
3. How the corporate assessee plan to utilize various provision as provided in the Income Tax Act 1961 with an objective to minimize their tax liability.
4. About updated Finance Act applicable for respective financial year.

Suggested Readings:

1. Singhanian and Singhanian, Direct Taxes, Taxmann, New Delhi.
2. Girish Ahuja and Ravi Gupta, Professional Approach to Direct Taxes, Bharat Law House Pvt. Ltd., New Delhi.
3. Girish Ahuja and Ravi Gupta, Simplified Approach to Corporate Tax Planning & management, Bharat Law House Pvt. Ltd., New Delhi.
4. Dinkar Pagare, Direct Tax Law and Practice, Sultan Chand & Sons, New Delhi.
5. Income Tax Act with Supreme Court Rulings (Bare Acts).

6. H.C. Mehorotra and S.P.Goyal, Corporate Tax Planning and Management, Sahitya Bhawan Publications: Agra.

Paper Code: MC 303

Operations Research

(Core Course, Credit- 4)

Full Marks: 50 (Term End Exam-40, Internal Assessment-10)

Learning Objective of the Course: To acquire applied knowledge of various tools and techniques of operations research subject.

Module 1

UNIT 1: Introduction: Concept and Significance of Operations Research, Evolution of Operations Research, Models of Operations Research. **(LH: 2)**

UNIT 2: Linear Programming and its Application: Graphic method and Simplex method, Duality problem. **(LH: 16)**

UNIT 3: Transportation problem. **(LH: 8)**

UNIT 4: Assignment problem. **(LH: 4)**

Module 2

UNIT 5: Statistical Decisions: Decision Making Situation Under Condition of Risk and Uncertainty, Concept of Profit Matrix, Cost Matrix and Regret Matrix or Opportunity Loss Matrix, Application of Different Decision Making Criteria like Maximin, Minimax, Minimin, Minimax, Expected Monetary Value (EMV), Expected Opportunity Loss (EOL) Criterion etc., Concept of Expected Value of Perfect Information. **(LH: 6)**

UNIT 6: Game Theory:, Structure of the Game- Two Person Zero Sum Game, Saddle Point, Pure Strategy and Mixed Strategy, Solution of Game. **(LH: 6)**

UNIT 7: Queuing Theory: Queuing System – Its Characteristics and Elements, Single Channel Queuing Model. **(LH: 6)**

UNIT 8: Network Technique for Project Implementation, Monitoring and Control: PERT and CPM Techniques, Event Slacks and Activity Floats, Crashing of Project Network, Resource Allocation, Measure of Variability and Probability of Completion of Project by a Specified Date. **(LH: 12)**

Learning Outcome of the Course: After successful completion of the course, students will develop the skill to analyse various kinds of problem situations and to solve real life business problems.

Suggested Readings:

1. Baumol, Economic Theory & Operation Research.

2. Dorfiman, Samuelson and Solow, Linear Programming and Economic Analysis.
3. Swarup, Gupta and Manmohan, Operations Research, Sultan Chand.
4. V.K. Kapoor: Operations Research, Sultan Chand & Sons.
5. Shama J.K., Operations Research, Theory & Applications, Macmillan.

Paper Code: MC 304

Computer Applications in Business

(Core Course, Credit 4)

Practical

Full Marks 50 (Term End Exam- 40 and Internal Assessment 10)

Learning Objective of the Course: To acquire technical knowledge of computer software for applications in real life business scenario, so far as accounting and finance are concerned. The students will be imparted hands on training in the computer laboratory.

Module I

UNIT 1: Business problem solution with Spreadsheet (say Excel). (LH: 15)

UNIT 2: Problem solution with the help of Database software, including development of programme (say Visual FoxPro & MS Access). (LH: 15)

Module II

UNIT 3: Working with Accounting Software (say Tally). (LH: 24)

UNIT 4: The Information Technology Act, 2000: Objectives and main provisions; Cyber crimes and penalties. (LH: 6)

Learning Outcome of the Course: After successful completion of the course, the students will develop the required skill to use the computer software in real life business scenario, so far as accounting and finance are concerned.

Suggested Readings:

1. Wallace Wang: *Microsoft Office 2019*, Wiley India Pvt. Ltd., New Delhi
2. A K Nadahani & K Nadhani: *TallyPrime*, BPB Publications, New Delhi.
3. R Sangwan: *Mastering in TallyPrime*, Ascent Prime Publications, New Delhi
4. R K Taxali: *Visual FoxPro Made Simple*, BPB Publications, New Delhi.
5. Bare Act of The Information Technology Act, 2000.

Paper Code: MC 305
Indirect Tax
(General Elective Course, Credit 4)

Full Marks: 50 (Term End Exam—40 and Internal Assessment - 10)

Learning Objective of the Course: The objectives of the paper are to know the rules of the Indirect Taxation Acts (pertaining to Goods and Services Tax Act), make out and analyse the practical aspects under different relevant acts associated with GST.

Module - I

Unit - I: Introduction – Indirect Taxes prevailing prior to Goods and Services Tax (GST), Necessity of GST Laws, Meaning of Goods and Service, Structure and Types of GST, GST Common Portal, GST Council, GSTIN, E-Way Bill

Unit - II: Supply – Meaning, Types of Supply, Time of Supply, Place of Supply, Value of Supply

Unit - III: Integrated GST – Meaning, need, features, levy of tax, Inter-state/Intra-state supply of Goods and Services, incidence of tax under GST, power to grant exemption from tax

Module - II

Unit - IV: Composition Scheme and Reverse Charge Mechanism – Scope and features, eligibility, conditions for composition scheme, Reverse Charge Mechanism

Unit - V: Input tax Credit – Meaning, conditions prescribed to avail input tax credit, restrictions, Input Service Distributor

Unit - VI: Registration and Returns of GST – Types of registration, procedure of registration, cancellation of registration, persons responsible for filing GST returns, various returns prescribed under GST Laws.

Learning Outcome of the Course:

The student will know

1. The fundamental concepts of different features and provisions of goods and service tax.
2. Examine the method of tax credit and its cross utilisation.
3. Identify and examine the practical features under different relevant acts related to GST.
4. Build up different GST Returns and reports for business transactions.

Suggested Readings:

1. Kamal Gupta, Contemporary Auditing, Tata McGraw Hill, New Delhi.
2. Auditing Standards and other publications of the ICAI.
3. Bare Acts of CGST, IGST and SGST
4. V. S. Datey, All About GST - A Complete Guide to Model GST Law, Taxman
5. H.C. Mehrotra and S.P.Goyal, Goods and Service Tax and Customs Act, Sahitya Bhawan Publications: Agra.

Paper Code: MC 306
Taxation in Computerised Environment

(Skill Enhancement Course, Credit 2)

Full Marks: 25

Practical

Full Marks: 25 (Term End Exam.- 20 and Internal Assessment - 05)

Learning Objective of the Course:

To impart hand-on-training to the students in the Computer Lab. to e-file Income Tax Returns and GST Returns.

UNIT 1: E-filing of Income Tax Returns- (13 Hours)

ITR 1, ITR 2, ITR 3, and ITR 5

UNIT 2: E-filing of Income Tax-TDS Return (4 hours)

UNIT 3: E-filing of GST Returns (13 hours)

GSTR-1, GSTR-3B, GSTR-2A, GSTR-2B, GSTR-4, GSTR-9.

Learning Outcome of the Course:

After completion of the course -

- (i) The students will acquire knowledge & skill about filing of Income Tax Returns and GST Returns in real life scenario.
- (ii) Their employability will increase to a great extent since there is dearth of skill hands in these fields.

Fourth Semester

Discipline Specific Elective (DSE) group

Group A: Accounting and Finance

Paper Code: MC 401A

Financial Accounting and Reporting

(Discipline Specific Elective Course, Credit 4)

Full Marks 50 (Term End Exam- 40 and Internal Assessment 10)

Learning Objective of the Course: To acquire conceptual as well as technical knowledge of solving the financial accounting problems;

Module I

UNIT 1: Property, Plant and Equipment (Ind AS 16) **(LH: 10)**

UNIT 2: Intangible Assets (Ind AS 38) **(LH: 10)**

UNIT 3: Earning Per Share (Ind AS 33) **(LH: 10)**

Module 2

UNIT 4: Amalgamation, Absorption and Reconstruction of Companies (Ind AS 103) **(LH: 10)**

UNIT 5: Consolidated Accounts of Holding and Subsidiary Companies (Ind AS 110) **(LH: 10)**

UNIT 6: Valuation of Goodwill and Shares **(LH: 10)**

Learning Outcome of the Course: After successful completion of the course, students will develop the skill to solve real life accounting problems.

Suggested Readings:

1. M.C.Shukla, T.S.Grewal and S.C.Gupta: Advanced Accountancy, Vol. II, S.CHAND, New Delhi, Latest Edition.
2. Relevant Publications of the ICAI.
3. Companies (Indian Accounting Standards) Rules 2015.
4. Other Materials to be supplied from time to time in the Class Room.

Paper Code: MC 402A

Advanced Auditing

(Discipline Specific Elective Course, Credit 4)

Full Marks 50 (Term End Exam- 40 and Internal Assessment 10)

Learning Objective of the Course: To acquire conceptual as well as technical knowledge of auditing the financial statements.

Module I

UNIT 1: Audit of Limited Companies and LLPs: Internal Financial Control, Statutory requirement under the Companies Act, 2013 in connection with audit; Cost Audit, Secretarial Audit. Audit of LLPs. **(LH: 12)**

UNIT 2: Audit Reports: Difference between report and certificate; Different types of opinion in audit reports; Emphasis of Matters in Audit Reports. Formats of Audit Reports under SA 700, SA 705, and SA 706. **(LH: 12)**

UNIT 3: CARO: Applicability, and items to be dealt with by the Auditor. **(LH: 6)**

Module II

UNIT 4: Auditing Standards- Provisions of the Companies Act, 2013; Some of the Auditing Standards, like- SA 200, SA 210, SA 230, SA 240, SA 299, SA 500, SA 530, etc. (LH: 12)

UNIT 5: Auditing in Computerized Information System (CIS) Environment. (LH: 8)

UNIT 6: Recent Trends in Auditing: Management audit; Energy audit; Environment audit; Systems audit, Safety audit. (LH: 10)

Learning Outcome of the Course: After successful completion of the course, students will develop the skill- to undertake audit of financial statements of all entities in general and of the companies in particular, and also to write Audit Reports under different situations.

Suggested Readings:

1. S K Basu: Auditing and Assurance, Pearson, New Delhi.
2. Kamal Gupta: Contemporary Auditing, Tata McGraw Hill, New Delhi.
3. Auditing Standards and other publications of the ICAI.
4. Companies Act 2013, and Rules and Order thereof.

Paper Code: MC 403A

Financial Statement Analysis (FSA)

(Discipline Specific Elective Course, Credit 4)

Full Marks: 50 (Term End Exam - 40 and Internal Assessment - 10)

Learning Objective of the Course: Since the subject matter has research orientation, it is necessary to develop analytical skill among the students. With a view to achieving the objective of the course, the students would be guided to build analytical attitude to deal every unit of the paper to produce outcome to satisfy the need of the users of FSA.

Module I

UNIT 1: Financial Statements—Meaning, Objectives, Users and Limitations. Financial Statement Analysis (FSA)—Meaning, Objectives, Users and Sources of Information for FSA—Traditional Approach vs. Modern Approach to FSA—Classification of FSA based on modus operandi and based on materials used. Techniques of FSA—Comparative Statements, Common-size Statements, Trend Analysis and Ratio Analysis. [L H: 14]

UNIT 2: Financial Ratio Analysis—Meaning, Objectives, Classification of Ratios, Methods of Ratio Analysis and Interpretation of Ratios—Time Series (intra firm) Analysis, Cross-Sectional (inter firm) Analysis and Residual Analysis (Combination of Time Series and Cross-Sectional Analysis) [L H: 12]

UNIT 3: Analysis of Cash Flow—Cash Flow Statement Ratios—Relationship of Income and Cash Flows. [L H: 4]

Module II

UNIT 4: Analysis of Industrial Sickness—Concepts, Signals and Symptoms, Provisions under Companies Act 2013, Prediction—Stages of Sickness—Univariate and Multivariate Analysis—Concepts, Objectives, Uses and Limitations—Univariate vs. Multivariate Analysis, Application of Statistical Tools in FSA. [1L H: 12]

UNIT 5: Profitability Analysis—ROCE and ROE relationship—Decomposition of ROE—Linkages of Profitability Ratios and Firm Value—Credit Analysis. Analysis of Inventories—Valuation Methods—Consequences of the Choice of Inventory Methods—Income Effects, Income-tax Effects and Information Effects. [L H: 12]

UNIT 6: Empirical Study—Implications for FSA—Techniques for Writing Research Paper--- Contents of Ideal Research Paper. [L H: 6]

Learning Outcome of the Course:

- (1) The students will learn basis aspects of FSA, sources of information, classification of FSA based on modus operandi and based on materials used and techniques of FSA.
- (2) They will learn Ratio Analysis from different methods and their interpretations that are needed for FSA in view of Time Series and Cross-Sectional analysis.
- (3) They will be competent of studying the relationship of Income and Cash Flows.
- (4) They will be capable of finding the stages of Industrial Sickness under Univariate And Multivariate Approaches. Besides, they can able to use Statistical Tools for FSA.
- (5) They can be capable of dealing comfortably with various issues Profitability Analysis such as relationship between ROCE and ROE; and Credit Analysis. They will learn to make Inventory Analysis and consequences of the choices various methods on income, income-tax and information.
- (6) They will be able to demonstrate their efficiency in respect of implications of FSA and as to how a research paper could be written as well.

Suggested Readings:

1. Lev, B.: Financial Statement Analysis—A New Approach, Prentice-Hall, Inc., Englewood Cliffs, NJ.
2. Wild, John J.: Financial Statement Analysis, Tata McGraw-Hill Publishing Company Ltd., New Delhi.
3. Foster, G.: Financial Statement Analysis, Pearson Education.
4. Fraser, L. M., & Ormiston, A.: Understanding Financial System, PHI, New Delhi.

5. Penmam: Financial Statement Analysis, McGraw Hill.
6. White, Gerald I., Sondhi, Ashwinpaul C. and Fried, Dov: The Analysis and Use of Financial Statements, Wiley India Pvt. Ltd., New Delhi 110002
7. Banerjee, B.: Financial Policy & Management Accounting, PHI, New Delhi.

Paper Code: MC 404A
Security Analysis and Portfolio Management
(Discipline Specific Elective Course, Credit 4)

Full Marks 50 (Term End Exam- 40 and Internal Assessment 10)

Learning Objective of the Course: To familiarize the students with the basic concepts and principles investments and to develop their conceptual and analytical skills in investment decision making. To enhance the analytical skills, different approaches of security analysis like fundamental analysis and technical analysis are included and also important theoretical aspects like the concept of Efficient Market Hypothesis are included. It also covers different portfolio selection methods, forecasting of portfolio's performance and styles of portfolio management.

Module I

UNIT 1: Investment: Analysis & Environment: Nature and scope of investment analysis, elements of investment, avenues of investment, approaches to investment analysis; Factors influencing selection of investment alternatives; Sources of financial information. [LH: 5]

UNIT 2: Fundamental and Technical Analysis: Economic analysis, Industry analysis and Company analysis; Basic tenets of technical analysis; Trends, indicators, indices and moving averages applied in technical analysis; Dow Theory; Elliot Wave Theory. [LH: 14]

UNIT 3: Security Valuation: Valuation of equity shares & bonds; Stock valuation model. [LH: 6]

UNIT 4: Efficient Market Hypothesis: Random Walk Theory; Concept and forms of market efficiency and its testing technique. [LH: 5]

Module II

UNIT 5: Risk-Return Relationship: Concept of return and risk; Ex-ante and Ex-post returns; Types of risk; Security returns and risk analysis; Portfolio return and risk; Measurement of return and risk; Reduction of portfolio risk through diversification; Two-asset portfolio case - expected return and risk of a two-asset portfolio. [LH: 8]

UNIT 6: Portfolio Analysis: General n-security portfolio problem; Markowitz risk-return optimisation; Efficient frontier and selection of optimal portfolio; Sharpe's Single Index

Model; Portfolio total risk, Portfolio market risk. [LH: 7]

UNIT 7: Capital Market Theory and Portfolio Risk Analysis: Capital Asset Pricing Model (CAPM); Capital market line; Security market line (SML), Asset pricing implication of SML; Portfolio selection under risk-free lending and borrowing; Arbitrage Pricing Theory (APT), two factor and multifactor models. [LH: 8]

UNIT 8: Portfolio Performance Evaluation: Risk adjusted measures of return – Sharpe's Ratio, Treynor's Ratio, Jensen's Alpha; Factor models. [LH: 7]

Learning Outcome of the Course:

1. Students will understand the nature of investment, investment process and different activities involved to invest in the securities market.
2. They will understand the concepts of fundamental analysis and technical analysis, know the procedure for a detailed fundamental understanding of securities and know the different classical and modern tools for technical analysis.
3. They will know the efficient market hypothesis and understand the different forms of market efficiency.
4. They will be able to select best portfolio with help of different portfolio selection models, predict the performance of the portfolio with different techniques and understand different styles of portfolio management.

Suggested readings:

1. Fischer, Donald E. & Jordan, Ronald J.: Security Analysis and Portfolio Management, Pearson Education.
2. Reilly, Frank & Brown, Keith: Investment Analysis and Portfolio Management, Cengage Learning.
3. Ranganatham, M. & Madhumathi, R.: Investment Analysis and Portfolio Management, Pearson Education.
4. Avadhani, V.A.: Security Analysis and Portfolio Management, Himalaya Publishing House.
5. Bodie, Zvi, et al.: Investments, Tata McGraw-Hill.
6. Sharpe, Alexander & Baily: Investments, Prentice-Hall.
7. Kevin, S.: Portfolio Management, Prentice-Hall.
8. Chandra, Prasanna: Investment Analysis and Portfolio Management, McGraw Hill Education (India) Pvt. Ltd.

Discipline Specific Elective (DSE) group
Group B: Banking and Insurance

Paper Code: MC 401B
Indian Banking System
(Discipline Specific Elective Course, Credit 4)

Full Marks 50 (Term End Exam- 40 and Internal Assessment 10)

Learning Objective of the Course: To make the students acquire the knowledge of working of the Indian financial system with a focus on the banking system.

1. Introduction: Indian financial system, financial intermediation, organized and unorganized financial system
2. Types of Banks in India: Commercial Banks, Foreign Banks, Co-operative Banks, Non-Banking financial intermediaries.
3. Banking Policies:
4. Capital Markets and Banking:
5. Micro Financing.

Learning Outcome of the Course:

1. To give students an overall understanding of the Indian financial system
2. To make the students understand the features of Indian banking sector.
3. To analyze the pertinent issues in the banking sector
4. To make the students comprehend the features of different types of banks and NBFCs.

Suggested Readings:

- 1) Mittal, R.K., Saini, A.K. & Dhingra, Sanjay: Emerging Trends in the Banking Sector, Macmillan.
- 2) Pathak, Bharati V.: The Indian Financial System, Pearson Education.
- 3) Gupta, Suraj Bhan: Monetary Economics, S. Chand & Co.
- 4) Vasudevan, A.: Money and Banking, Academic Foundation.

Paper Code: MC 402B
Retailing and CRM in Banking
(Discipline Specific Elective Course, Credit 4)

Full Marks 50 (Term End Exam- 40 and Internal Assessment 10)

Learning Objective of the Course: To help the students to develop the knowledge of Retail Banking and CRM to enable them to synthesize related information from the banking sector.

1. Introduction: Meaning and concept of retailing and retail banking, growing significance of retailing, Why Retail Banking?
2. Retail Products in Banks: Technological Retail Products offered to the customers, various cards, retail products offered By Banks, KYC Norms, etc.
3. New Generation Banks and Old Generation Banks.
4. CRM in Banking: Principles of customer relationship, relationship building strategies, etc.
5. Data Mining.

Learning Outcome of the Course:

1. To give students an overview of the retail banking operations and applications.
2. To let students know the retail banking products.
3. To enable students to apply the concept of CRM, the benefits delivered by CRM and the contexts in which it is used.
4. To make students understand the various technological tools for data mining.

Suggested Readings:

1. Mittal, R.K., Saini, A.K. & Dhingra, Sanjay: Emerging Trends in the Banking Sector, Macmillan.
- 2., Shroff, T.F.: Retail Banking, Northern Book Centre.
3. Mohamed, H. Peeru & Sagadevan, A.: Customer Relationship Management: A Step-by-Step Approach, Vikas Publishing.
4. Greenberg, Paul: CRM - Essential Customer Strategies for the 21st Century, McGraw Hill.

Paper Code: MC 403B

**General Insurance and Reinsurance
(Discipline Specific Elective Course, Credit 4)**

Full Marks 50 (Term End Exam- 40 and Internal Assessment 10)

Learning Objective of the Course: To familiarize the students with the fundamental concepts and ideas of general insurance and reinsurance and to equip them with the basic knowledge of the same.

1. Introduction to General Insurance: Overview of the general insurance market, types of general insurances & their scopes, rules and regulations, etc.
2. Underwriting: Meaning, objectives, underwriting process & rating practices, factors for underwriting, underwriting hazards, etc.
3. Methods and rating of General Insurance.

4. Overview of Reinsurance.
5. Reinsurance Practices in India.

Learning Outcome of the Course:

1. To give students an overview of the role and function of general insurance market.
2. To make students understand how the reinsurance market functions.
3. The students will know the main types and methods of reinsurance and the relative advantages and disadvantages of each.
4. The students will be able to describe the underwriting activities typically performed by line and staff underwriters.

Suggested Readings:

1. Rejda, G. & McNamara, M.: Principles of Risk Management & Insurance, Pearson.
2. Various Publications by Institute of Insurance.

Paper Code: MC 404B
Life Insurance
(Discipline Specific Elective Course, Credit 4)

Full Marks 50 (Term End Exam- 40 and Internal Assessment 10)

Learning Objective of the Course: To provide a knowledge and understanding of the scope & different aspects of life insurance and its appropriate use.

1. Introduction: Life Insurance products for individuals, various plans and riders of Life Insurance, etc.
2. Various Policies.
3. Policy forms and Documents.
4. Premium, Nominations & assignments, etc.
5. Computation of premium etc. and its accounting.

Learning Outcome of the Course:

1. To provide the students with an overview of life insurance.
2. The students will be able to describe the features of life insurance.
3. To enable students to compare the types of life insurance available in the market.

Suggested Readings:

1. Mishra, M. N.: Principles of Insurance & Risk Management, S Chand & Co.
2. Mishra, Kaninika: Fundamentals of Life Insurance Theories and Applications, Prentice-Hall of India.
3. Rejda, G. & McNamara, M.: Principles of Risk Management and Insurance, Pearson.

Paper Code: MC 405

Project/Dissertation

(Credit 8)

Practical

Full Marks 100 (Project Report /Dissertation– 50 and Viva-voce - 50)

There will be a Project / Dissertation during the fourth Semester in lieu of theory papers. Teachers may be assigned students based on the total strength of staff and students of the Department. Care should be taken to see that equal no of students are allotted for work assignment among the teachers concerned. The student shall write a project report under the guidance of an internal teacher based on his study. Each student will be informed about the title of the project work at the beginning of the fourth semester class and the project report will have to be submitted before a date to be notified by the HoD. The study may be based on primary data collected from field survey or based on secondary data available from published sources. The project report shall be around 4000 words. In the Project Work there will be 50 marks on the written project report and 50 marks for the viva-voce. Each project report will be examined by one internal examiner (i.e. group supervisor) and the external examiner. Also, each student will have to face a viva-voce examination to be conducted by one internal examiner (i.e. group supervisor) in presence of the external examiner. The students will present their project reports through power point presentations. Names of both internal examiners and the external examiners will be recommended in the meeting of the PG Board of Studies.