

Agenda No. 2.03in AC and

Date: 23/03/2022

**Vidya Prasarak Mandal's
K.G. Joshi College of Arts & N.G. Bedekar
College of Commerce, Thane (Autonomous)**

(Affiliated to University of Mumbai)

Program:M.com (Accounting and Finance)

Specific Programme: M.com (Accounting and Finance) (JBCPCMAF)

**Syllabus for M.com (Accounting and Finance)
(Part I and Part II)**

Year of Establishment: 2022-2023

Specific Programme : M.Com (Accounting and Finance) – JBCPCMAF

PREAMBLE

It is a post graduate full time 2 year programs which aims to provide the student with specialized skill sets in different fields like accounts and taxation. The Masters of Commerce in Accounting and Finance (MAF) program's objective is to prepare students to think critically, apply their skills sets and have an edge over students from regular graduate programs.

Spread over 4 semesters, the programs aims to provide detailed knowledge in the subjects of corporate restructuring, international taxation, Financial Modeling, international financial reporting standard etc. The courses are designed in such a way that it specifically addresses strengths and weaknesses with respect to market opportunities in the student's major and intended field of work.

Duration: Two years (with four semesters)

Mode of Delivery: Offline (Online, in case of emergency)

(Credit Based Semester and Grading System with effect from the academic year 2022–2023)

M.Com(Accounting and Finance) –JBCPCMAF

PROGRAMME – OUTCOMES

PO	PO Description
PO1	Develop scientific reasoning ability with the help of appropriate technology in the field of accounts, management, taxation, etc.
PO2	Detailed knowledge in the field of corporate finance, financial reporting and analysis, compliance and adherence to current statutes.
PO3	Develop critical thinking capacity to interpret various accounting general practices and use it for the process for improvement and knowledge enhancement.
PO4	Develop innovative thinking and problem solving skills by understanding the problem, using the relevant analytical skills and give an appropriate solution

PROGRAMME - SPECIFIC OUTCOMES

PSO	PSO Description
PSO1	Apply appropriate judgment derived from knowledge of accounting theory.
PSO2	Able to Recognize and understand ethical issues in Accounting profession.
PSO3	Understand how to apply Cost Accounting methods to evaluate project and business performance
PSO4	Acquire and upgrade current international tax laws
PSO5	Understanding of real-life working environment in industry through industrial visits and internship
PSO6	Learn to be part of a team, develop reflective thinking along with sensitivity towards group members, leading to development of leadership and team management skills.

SEMESTER I

DISTRIBUTION OF COURSE AND CREDITS

Course	Course Nomenclature	Course Code	Credits
	<i>Core Courses (CC)</i>		
1	Strategic Cost Management and Decision Making	JBCPCMAF101	06
2	Corporate Governance and Corporate Social Responsibility	JBCPCMAF102	06
3 & 4	<i>Elective Courses (EC) Any Two (EC)</i>		
1	Operational Research	JBCPCMAF103	06
2	Advanced Audit and Professional Ethics - I	JBCPCMAF104	06
3	Fundamental and Technical Analysis	JBCPCMAF105	06
		Total Credits	24

Course Code: JBCPCMAF101

Course Nomenclature : Strategic Cost Management and Decision Making

COURSE OUTCOME:

1. To apply various cost management techniques for planning and controlling performance in order to set, monitor and control strategic objectives.
2. To develop skills of analysis, synthesis and evaluation in cost management to address Challenges and issues which might affect or influence the management of performance with in organizations

Units	Course Nomenclature	No of lectures
Unit I	Introduction to Strategic Cost Management	05
	(i) Concept of Strategic Cost Management (ii) Limitations of Traditional Cost Management (iii) Traditional vs. Strategic Cost Management	
Unit II	Modern Business Environment	10
	(i) Introduction/ Characteristics of the Modern Business Environment (ii) Cost of Quality, Total Quality Management, Business Excellence Model (iii) Throughput Accounting and Theory of Constraints (iv) Supply Chain Management (SCM) (v) Gain Sharing Arrangements (vi) Outsourcing	
Unit III	Cost Management Techniques	15
	(i) Cost Control/ Waste Control, Cost Reduction (ii) Target Costing (iii) Value Analysis/ Value Engineering (iv) Pareto Analysis (v) Life Cycle Costing (vi) Environmental Management Accounting	
Unit IV	Lean System and Innovation	15
	(i) Introduction to Lean System a) Just-in-Time (JIT) b) Kaizen Costing c) 5 Ss d) Total Productive Maintenance (TPM) e) Cellular Manufacturing/ One-Piece Flow Production Systems f) Six Sigma (SS) (ii) Introduction to Process Innovation and Business Process Re-engineering (BPR)	

Unit V	Decision Making using CVP Analysis	15
	(ii) Decision Making using Relevant Cost Concepts (iii) Decision Making using Activity Based Costing (iv) Ethical and Non-Financial Considerations Relevant to Decision Making	
	TOTAL LECTURES	60

REFERENCES:

- *Cost Accounting by C.S. Rayudu, Tata Mc. Grow Hill and Co. Ltd., Mumbai*
- *Lectures on Costing by Swaminathan: S. Chand and Company (P) Ltd., New Delhi*
- *Cost Accounting by JawaharLal and SeemaSrivastava, Tata Mc. Grow Hill and Co. Ltd., Mumbai*
- *Cost Accounting by Ravi M. Kishore, Taxmann Ltd., New Delhi*
- *Principles and Practices of Cost Accounting by N.K. Prasad, Book Syndicate Pvt. Ltd., Calcutta*
- *Cost Accounting Theory and Practice by B.K. Bhar, Tata Mc. Grow Hill and Co. Ltd., Mumbai*
- *Cost Accounting Principles and Practice by M.N. Arora, Vikas Publishing House Pvt. Ltd., New Delhi*
- *Advanced Cost and Management Accounting: Problems and Solutions by V.K. Saxena and C.D. Vashist, S. Chand and Company (P) Ltd., New Delhi*
- *Cost Accounting by S.P. Jain and K.L. Narang, Kalyani Publishers, Ludhiana*
- *Modern Cost and Management Accounting by M. Hanif, Tata McGraw Hill Education Pvt. Ltd., New Delhi*

Course Code: JBCPCMAF102

Course Nomenclature : Corporate Governance and Corporate Social Responsibility

COURSE OUTCOME:

1. Critically apply corporate governance theories and frameworks to the various corporate governance structures found in their national environments
2. Show an advanced understanding of the role of the board of directors in shaping the strategy of a company and protecting the interests of stakeholders
3. Provides insights into CSR from the perspective of business, of government and of civil society, and the course invites practitioners from all three groups to give the students insights into CSR from the field.

Units	Course Nomenclature	No of Lectures
Unit I	Corporate Governance- Conceptual Framework	05
	Introduction need and scope Evolution of Corporate Governance Developments in India Elements of Good Corporate Governance.	
Unit II	Corporate Governance and Shareholders Rights	15
	Rights of shareholders Challenges of exercising shareholders rights Corporate governance and Related Party Transactions Role of Investor Association in securing shareholders rights Role of institutional investors in Corporate Governance	
Unit III	Corporate Governance Forums and Legislative Framework of Corporate Governance in India	15
	National Foundation of Corporate Governance Global Corporate Governance forum Listing agreements SEBI Guidelines Companies Act	
Unit IV	Introduction to Corporate Social Responsibility	15
	<ul style="list-style-type: none">• Corporate Social Responsibility: Concept, Scope & Relevance and Importance of CSR in Contemporary Society.• Corporate philanthropy, Models for Implementation of CSR, Drivers of CSR, Prestigious awards for CSR in India.• CSR and Indian Corporations- Legal Provisions and Specification on CSR, A Score Card, Future of CSR in India.• Role of NGO's and International Agencies in CSR, Integrating CSR into Business	
Unit V	Areas of CSR and CSR Policy	10

	<ul style="list-style-type: none"> • CSR towards Stakeholders-- Shareholders, Creditors and Financial Institutions, Government, Consumers, Employees and Workers, Local Community and Society. • CSR and environmental concerns. • Designing CSR Policy- Factors influencing CSR Policy, Role of HR Professionals in CSR • Global Recognitions of CSR- ISO- 14000-SA 8000 – AA 1000 – Codes formulated by UN Global Compact – UNDP, Global Reporting Initiative; major codes on CSR. • CSR and Sustainable Development • CSR through Triple Bottom Line in Business 	
	TOTAL LECTURES	60

REFERENCES:

- *Corporate Governance, Principles, policies and Practices – A.C. Fernando, Pearson Education*
- *Corporate Governance – IICA, Taxmann*
- *The Art of Corporate Governance – Dr. Joffy George*
- *Companies Act 2013 and Rules*
- *SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015*
- *Philip Kotler and Nancy Lee, CSR : doing the most good for Company and your cause , Wiley 2005*
- *Beeslory, Michel and Evens, CSR , Taylor and Francis, 1978*
- *Subhabrata Bobby Banerjee, CSR: the good, the bad and the ugly. Edward Elgar Publishing 2007*
- *Joseph A. Petrick and John F. Quinn, Management Ethics- Integrity at work , Sage Publication , 1997*
- *Francesco Perrini, Stefano and AntanioTencati, Developing CSR- A European Perspective , Edward Elgar.*
- *William B. Werther, Jr. David Chandler, Strategic Corporate Social Responsibility, stakeholders' a global environment, Sage Publication, 2009.*
- *Ellington. J. (1998), Cannibals with forks: The triple bottom line of 21st Century business, New Society Publishers.*
- *Crane, A. Et al., (2008), The Oxford handbook of Corporate Social Responsibility, New York: Oxford University Press Inc.*

Course Code: JBCPCMAF103

Course Nomenclature : Operational Research

COURSE OUTCOME:

1. To help students to understand operations research methodologies
2. To help students to solve various problems practically
3. To make students proficient in case analysis and interpretation

Units	Course Nomenclature	No of Lectures
Unit I	Introduction to Operations Research and Linear Programming	15
	<p>a) Introduction To Operations Research • Operations Research - Definition, Characteristics of OR, Models, OR Techniques, Areas of Application, Limitations of OR.</p> <p>b) Linear Programming Problems: Introduction and Formulation • Introduction to Linear Programming • Applications of LP • Components of LP • Requirements for Formulation of LP Problem • Assumptions Underlying Linear Programming • Steps in Solving LP Problems • LPP Formulation (Decision Variables, Objective Function, Constraints, Non Negativity Constraints)</p> <p>c) Linear Programming Problems: Graphical Method • Maximization & Minimization Type Problems. (Max. Z & Min. Z) • Two Decision Variables and Maximum Three Constraints Problem • Constraints can be “less than or equal to”, “greater than or equal to” or a combination of both the types i.e. mixed constraints. • Concepts: Feasible Region of Solution, Unbounded Solution, Redundant Constraint, Infeasible Solution, Alternative Optima.</p> <p>d) Linear Programming Problems: Simplex Method • Only Maximization Type Problems. (Only Max. Z). No Minimization problems. (No Min. Z) • Two or Three Decision Variables and Maximum Three Constraints Problem. (Up to Maximum Two Iterations) • All Constraints to be “less than or equal to” Constraints. (“Greater than or Equal to” Constraints not included.) • Concepts : Slack Variables, Surplus Variables, Artificial Variables, Duality, Product Mix and Profit, Feasible and Infeasible Solution, Unique or Alternate Optimal Solution, Degeneracy, Non Degenerate, Shadow Prices of Resources, Scarce and Abundant Resources, Utilized and Unutilized Capacity of Resources, Percentage Utilization of Resources, Decision for Introduction of a New Product. Note: 1. Surplus Variable, Artificial Variable and Duality to be covered only at Conceptual level for Theory Questions only and not included in Numerical. 2. Sensitivity Analysis including Profit Range and Capacity Range is not included.</p>	

Unit II	Assignment and Transportation Models	15
	<p>a) Assignment Problem – Hungarian Method • Maximization & Minimization Type Problems. • Balanced and Unbalanced Problems. • Prohibited Assignment Problems, Unique or Multiple Optimal Solutions. • Simple Formulation of Assignment Problems. • Maximum 5 x 5 Matrix. Up to Maximum Two Iterations after Row and Column Minimization. Note: 1. Travelling Salesman Assignment Problem is not included.</p> <p>b) Transportation Problems • Maximization & Minimization Type Problems. • Balanced and Unbalanced problems. • Prohibited Transportation Problems, Unique or Multiple Optimal Solutions. • Simple Formulation of Transportation Problems. • Initial Feasible Solution (IFS) by: a. North West Corner Rule (NWCR) b. Least Cost Method (LCM) c. Vogel's Approximation Method (VAM) • Maximum 5 x 5 Transportation Matrix. • Finding Optimal Solution by Modified Distribution (MODI) Method. (u, v and Δ) • Maximum Two Iterations (i.e. Maximum Two Loops) after IFS. Note: 1. Production Scheduling Problem is not included. 2. Time Minimization Problem is not included. 3. Degeneracy Concept to be covered only at Conceptual Level. Not to be included in Numerical.</p>	
Unit III	Network Analysis	15
	<p>a) Critical Path Method (CPM) • Concepts: Activity, Event, Network Diagram, Merge Event, Burst Event, Concurrent and Burst Activity, • Construction of a Network Diagram. Node Relationship and Precedence Relationship. • Principles of Constructing Network Diagram. • Use of Dummy Activity • Numerical Consisting of Maximum Ten (10) Activities. • Critical Path, Sub-critical Path, Critical and Non-critical Activities, Project Completion Time. • Forward Pass and Backward Pass Methods. • Calculation of EST, EFT, LST, LFT, Head Event Slack, Tail Event Slack, Total Float, Free Float, Independent Float and Interfering Float.</p> <p>b) Project Crashing • Meaning of Project Crashing. • Concepts: Normal Time, Normal Cost, Crash Time, Crash Cost of Activities. Cost Slope of an Activity. • Costs involved in Project Crashing: Direct, Indirect, Penalty and Total Costs. • Time – Cost Trade off in Project Crashing. • Optimal (Minimum) Project Cost and Optimal Project Completion Time. • Process of Project Crashing. • Numerical Consisting of Maximum Ten (10) Activities. • Numerical based on Maximum Four (04) Iterations of Crashing.</p> <p>c) Program Evaluation and Review Technique (PERT) • Three Time Estimates of PERT: Optimistic Time (a), Most Likely Time (m) and Pessimistic Time (b). • Expected Time (te) of an Activity Using Three Time Estimates. • Difference between CPM and PERT. • Numerical Consisting of Maximum Ten (10) Activities. • Construction of PERT Network using te values of all Activities. • Mean (Expected) Project Completion Time. • Standard Deviation</p>	

	and Variance of Activities. • Project Variance and Project Standard Deviation. • ‘Prob. Z’ Formula. • Standard Normal Probability Table. Calculation of Probability from the Probability Table using ‘Z’ Value and Simple Questions related to PERT Technique. • Meaning, Objectives, Importance, Scope, RORO/LASH	
Unit IV	Decision Theory, Sequencing and Theory of Games	15
	<p>a) Decision Theory • Decision Environments – Risk & Uncertainty. Payoff Table, Regret Table • Decision Making under Uncertainty • Maximin & Maximax Criteria • Minimax Regret Criterion • Laplace Criterion • Hurwicz Criterion • Expected Monetary Value Criterion. • Expected Value of Perfect Information (E.V.P.I) • Expected Opportunity Loss (E.O.L).</p> <p>b) Job Sequencing Problem • Processing Maximum 9 Jobs through Two Machines only. • Processing Maximum 6 Jobs through Three Machines only. • Calculations of Idle Time, Elapsed Time etc.</p> <p>c) Theory of Games • Introduction • Terminology of Game Theory: Players, Strategies, Play, Payoff, Payoff matrix, Maximin, Maximax, Saddle Point. • Types of Games. • Numericals based on: • Two Person Zero Sum Games - Pure Strategy Games (Saddle Point available)</p>	
	TOTAL LECTURES	60

REFERENCES:

- *Taha H.A., Operations Research - An Introduction, 6th Edition , Hall of India*
- *Kapoor V.K., Operations Research Techniques for Management, 7th Edition, Sultan Chand & Sons*
- *Kantiswarup, Gupta P.K. & Manmohan, Operations Research 9th Edition, Sultan Chand & Sons*
- *Sharma S.D., Operations Research, 8th Edition, Kedarnath, Ramnath & Company*
- *Bronson R, Operations Research, 2nd Edition, Shaum's Outline Series*
- *Vora N.D, Quantitative Techniques in Management, 3rd Edition, Tata McGraw Hill co.*
- *Shreenath L.S, Principles & Application 3rd Ed.,, PERT & CPM, Affiliated East-West Press Pvt. Ltd.*
- *Wagner H.M., Principles of Operations Research 2nd Edition, Prentice - Hall of India*
- *Sasieni M, Yaspan A & John Wiley & Sons Friedman L, Operations Research - Methods & Problems 1st Edition*
- *Natrajan Balasubramani, Tamilarasi, Operations Research, Pearson Education*
- *G. Hadley, Linear Programming, Narosa Book Distributors Private Ltd*
- *L.C. Jhamb, Quantitative Techniques (For Managerial Decisions VOL I), Everest Publishing House, Pune.*
- *Paul Loomba, Linear Programming, Tata McGraw Hill Publishing Co. Ltd.*
- *Aditham B. Rao , Operations Research Edition 2008, Jaico Publishing House, Mumbai*

Course Code: JBCPCMAF104

Course Nomenclature : Advanced Audit and Professional Ethics - I

COURSE OUTCOME:

1. Learners understand the generally accepted auditing standards, audit reporting, and the theory and methodology of auditing.
2. Learner will develop an appreciation for the importance of the ethical standards of certified public accountants
3. Learner keeps them abreast of current accounting issues and regulations, and the degree of professionalism required of the successful accountants

Units	Course Nomenclature	No of Lectures
Unit I	Company Audit	15
	Introduction to Audit - Audit of Ledgers, General Considerations, Scrutiny of Ledgers of Assets, Personal and Revenue Accounts • Company Audit - Audit of Shares, Qualifications and Disqualifications of Auditors, Appointment of auditors, Removal of auditors, Powers and duties of auditors, Branch audit, Joint audit, Special audit, Reporting requirements under the Companies Act, 2013. • Concepts of true and fair and materiality and audit risk in the context of audit of companies. • Audit reports; qualifications, notes on accounts, distinction between notes and qualifications, detailed observations by the statutory auditor to the management vis-a-vis obligations of reporting to the member	
Unit II	Special Audits	15
	Special points in audit of different types of undertakings, i.e., Educational institutions, Hotels, Clubs and Hospitals.	
Unit III	Audit under other Laws	15
	Cost audit, Environmental Audit, Energy Audit., Audit under different statutes, viz; income tax, other direct tax laws and indirect taxes.	
Unit IV	Auditing in Computerized Environment	15
	Audit under computerized environment: Computer auditing; specific problems of EDP audit, Need for review of internal control especially procedure controls and facility controls; techniques of audit of EDP output; Use of computers for internal and management audit purposes; test packs, computerized audit programmes; involvement of the auditor at the time of setting up the computer system	
	TOTAL LECTURES	60

REFERENCES:

- *A Hand Book Of Practical Auditing Paperback – 4 February 2007 by Tandon B.N. (Author) For the students of B.Com., M.Com, Professional Course of C.A., C.S., I.C.W.A. and Professionals of Financial Institutions.*
- *A Hand Book of Practical Auditing, 15/e Author: B N Tandon Imprint : S. Chand Publishing*
- *Quality Audits for ISO 9001: 2000: Making Compliance Value-Added
Author: Tim O Hanlon Publisher: ASQ*

Course Code: JBCPCMAF105

Course Nomenclature : Fundamental and Technical Analysis

COURSE OUTCOME:

1. Comprehend the working of the financial sector and market
2. Understand the trends of rising and falling share markets.
3. Select the most profitable stocks for investing and earning huge gains.
4. Develop their unique strategy for investing in shares.
5. Build career as a Market analyst, Stockbroker, and Trading Analyst.

Units	Course Nomenclature	No of Lectures
Unit I	Fundamental analysis	15
	Use of ratio analysis for buy /sell decision Comparative use of ratios across sectors Impact of change in share holding pattern on share price Impact of dividend declaration on share price	
Unit II	Introduction to Technical Analysis	15
	Technical analysis Basics assumptions Strengths and Weakness Types of chart Use of support and resistance	
Unit III	Use of Major Patterns	15
	Candlestick patterns – 1,2 & 3 candle patterns Line chart patterns – Head and Shoulder, double top and bottom, triple top and bottom, flags, pennants, cup and handle, 3 black crows, white crows etc.	
Unit IV	Use of major indicators	15
	Leading, Lagging MACD, EMA, SMA, RSI, Bollinger bands, Fibonacci series, stochastic, oscillator.	
	TOTAL LECTURES	60

REFERENCES:

- *Technical Analysis of Stock Trend; Robert D Edwards, Visiosn Book*

- *Technical Analysis Explained; Martin J Pring; McGraw Hill*
- *Handbook of Technical Analysis, Darell R Jobman; Probus*
- *Technical Analysis of Stocks , options; William Eng, Probus*
- *Technical Analysis, Jack D Schwager, John Wiley & Son*

SEMESTER II

DISTRIBUTION OF COURSE AND CREDITS

Course	Course Nomenclature	Course Code	Credits
	<i>Core Courses (CC)</i>		
1	Corporate Restructuring	JBCPCMAF201	06
2	Research Methodology for Business	JBCPCMAF202	06
3 & 4	<i>Elective Courses (EC) Any Two (EC)</i>		
1	International Finance	JBCPCMAF203	06
2	Advanced Audit and Professional Ethics - II	JBCPCMAF204	06
3	Financial Derivatives	JBCPCMAF205	06
		Total Credits	24

Course Code: JBCPCMAF201

Course Nomenclature : Corporate Restructuring

COURSE OUTCOME:

1. Identify the key issues and concepts of mergers and acquisitions.
2. Understand the major strategies that underlie most M&A transactions.
3. Examine the necessary conditions for value to be created.
4. Assess various case studies to analyze valuation strategies, pre and post-merger issues and challenges

Units	Course Nomenclature	No of lectures
Unit I	Introduction and Concepts	15
	Meaning of Corporate Restructuring • Need, Scope and Modes of Restructuring • Historical Background • Emerging Trends • Planning, Formulation and Execution of Various Corporate Restructuring Strategies - Mergers, Acquisitions, Takeovers, Disinvestments and Strategic Alliances, Demerger and Hiving off • Expanding Role of Professionals	
Unit II	Merger and Amalgamation, Corporate Demerger and Reverse Merger	15
	• Introduction to Merger and Amalgamation, Corporate Demerger and Reverse Merger • Legal, Procedural, Economic, Accounting, Taxation and Financial Aspects of Mergers and Amalgamations including Stamp Duty and Allied Matters • Interest of Small Investors • Merger Aspects under Competition Law • Cross Border Acquisition and Merger • Concept of Demerger; Modes of Demerger - by Agreement, under Scheme of Arrangement • Demerger and Voluntary Winding Up • Legal and Procedural Aspects; Tax Aspects and Reliefs • Reverse Mergers – Procedural Aspects and Tax Implications • Meaning and Concept of Takeover • Types of Takeovers; Legal Aspects – SEBI Takeover Regulations • Disclosure and Open Offer Requirements • Bail Out Takeovers and Takeover of Sick Units • Takeover Defenses • Cross Border Takeovers	
Unit III	Funding of Merger and Takeover and Financial Restructuring	15
	• Financial Alternatives; Merits and Demerits • Funding through various Types of Financial Instruments including Equity and Preference Shares, Debentures, Securities with Differential Rights, Swaps, Stock Options; ECBs, Funding through Financial Institutions and Banks • Rehabilitation Finance • Management Buyouts/Leveraged Buyouts • Reduction of Capital • Reorganization of Share Capital • Buy-Back of Shares – Concept and Necessity • Procedure for Buy-Back of Shares by Listed and Unlisted Companies	
Unit IV	Post-Merger Reorganization	15

	Factors involved in Post - Merger Reorganization • Integration of Businesses and Operations • Assessing Accomplishment of Post-Merger Objectives; Measuring Post Merger Efficiency	
	TOTAL LECTURES	60

REFERENCES:

- *Mergers, Acquisition and Corporate Restructuring: Prasad G Godbole : Vikas Publishing*
- *Handbook on Mergers, amalgamation and take overs : ICSI*
- *Mergers/Amalgamations, Takeovers, Joint Ventures, LLPs and Corporate Restructure: K. R. Sampath : Snow White*
- *Introduction to Mergers and Acquisitions: Kate Creighton, William J. Gole*

Course Code: JBCPCMAF202

Course Nomenclature : Research Methodology for Business

COURSE OUTCOME:

1. Develop understanding on various kinds of research, objectives of doing research, research process, research designs and sampling.
2. Have basic knowledge on qualitative research techniques
3. Have adequate knowledge on measurement & scaling techniques as well as the quantitative data analysis
4. Have basic awareness of data analysis-and hypothesis testing procedures

Units	Course Nomenclature	No of lectures
Unit I	Introduction to Research	15
	<ul style="list-style-type: none"> • Features and importance of research in business, Objectives and Types of research-Basics, Applied, Descriptive, Analytical and Empirical Research. • Formulation of research problem, Research Design, significance of Review of Literature • Hypothesis: Formulation, Sources, Importance and Types • Sampling: Significance, Methods, Factors determining sample size 	
Unit II	Research Process	15
	<ul style="list-style-type: none"> • Stages in Research process • Data Collection: Primary data: Observation, Experimentation, Interview, Schedules, Survey, • Limitations of Primary data • Secondary data: Sources and Limitations, • Factors affecting the choice of method of data collection. • Questionnaire: Types, Steps in Questionnaire Designing, Essentials of a good 	
Unit III	Data Processing and Statistical Analysis	15
	<ul style="list-style-type: none"> • Data Processing: Significance in Research, Stages in Data Processing: Editing, Coding, Classification, Tabulation, Graphic Presentation • Statistical Analysis: Tools and Techniques, Measures of Central Tendency, Measures of Dispersion, Correlation Analysis and Regression Analysis. • Testing of Hypotheses – • Parametric Test-t test, f test, z test • Non-Parametric Test -Chi square test, ANOVA, Factor Analysis • Interpretation of data: significance and Precautions in data interpretation 	
Unit IV	Research Reporting and Modern Practices in Research	15
	Research Report Writing: Importance, Essentials, Structure/ layout, Types • References and Citation Methods:	

	<ul style="list-style-type: none"> • APA (American Psychological Association) • CMS (Chicago Manual Style) • MLA (Modern Language Association) • Footnotes and Bibliography • Modern Practices: Ethical Norms in Research, Plagiarism, Role of Computers in Research 	
	TOTAL LECTURES	60

REFERENCES:

- *Research Methodology – Text and Cases with SPSS Applications*, by Dr S.L. Gupta and Hitesh Gupta, International Book House Pvt Ltd
- *Business Research Methodology* by T N Srivastava and Shailaja Rego, Tata Mcgraw Hill Education Private Limited, New Delhi
- *Methodology of Research in Social Sciences*, by O.R. Krishnaswami, Himalaya Publishing House
- *Research Methodology* by Dr Vijay Upagude and Dr Arvind Shende
- *Business Statistics* by Dr S. K Khandelwal, International Book House Pvt Ltd
- *Quantitative Techniques* by Dr S. K Khandelwal, International Book House Pvt Ltd
- *SPSS 17.0 for Researchers* by Dr S.L Gupta and Hitesh Gupta, 2nd edition, Dr S. K Khandelwal, International Book House Pvt Ltd
- *Foundations of Social Research and Econometrics Techniques* by S.C. Srivastava, Himalaya publishing House
- *Statistical Analysis with Business and Economics Applications*, Hold Rinehart & Wrintston, 2nd Edition, New York
- *Business Research Methods*, Clover, Vernon T and Balsely, Howard L, Colombus O. Grid, Inc
- *Business Research Methods*, Emary C. Willima, Richard D. Irwin In. Homewood
- *Research Methods in Economics and Business* by R. Gerber and P.J. Verdoom, The Macmillan Company, New York
- *Research and Methodology in Accounting and Financial Management*, J.K Courtis
- *Statistics for Management and Economics*, by Menden Hall and Veracity, Reinmuth J.E
- *Panneerselvam, R., Research Methodology*, Prentice Hall of India, New Delhi, 2004.
- *Kothari CR, Research Methodology- Methods and Techniques*, New Wiley Ltd., 2009

Course Code: JBCPCMAF203

Course Nomenclature : International Finance

COURSE OUTCOME:

1. The objective of this course is to familiarize the student with the fundamental aspects of various issues associated with International Finance.
2. The course aims to give a comprehensive overview of International Finance as a separate area in International Business.
3. To introduce the basic concepts, functions, process, techniques and create an awareness of the role, functions and functioning of International Finance in this Globalized Market.

Units	Course Nomenclature	No of lectures
Unit I	Fundamentals of International Finance	15
	<p>a) Introduction to International Finance: • Meaning/ Importance of International Finance, Scope of International Finance, Globalization of the World Economy, Goals of International Finance, The Emerging Challenges in International Finance.</p> <p>b) Balance of Payment: • Introduction to Balance of Payment, Accounting Principles in Balance of Payment, Components of Balance of Payments, Balance of Payment Identity Indian Heritage in Business, Management, Production and Consumption.</p> <p>c) International Monetary Systems: • Evolution of International Monetary System , Gold Standard System , Bretton Woods System, Flexible Exchange Rate Regimes – 1973 to Present, Current Exchange Rate Arrangements, European Monetary System, Fixed & Flexible Exchange Rate System d) An introduction to Exchange Rates: • Foreign Bank Note Market, Spot Foreign Exchange Market • Exchange Rate Quotations • Direct & Indirect Rates • Cross Currency Rates • Spread & Spread % • Factors Affecting Exchange Rates</p>	
Unit II	Foreign Exchange Markets, Exchange Rate Determination & Currency Derivatives	15
	<p>a) Foreign Exchange Markets: • Introduction to Foreign Exchange Markets, Structure of Foreign Exchange Markets, Types of Transactions & Settlement Date, Exchange Rate Quotations & Arbitrage, Forward Quotations (Annualized Forward Margin)</p> <p>b) International Parity Relationships & Foreign Exchange Rate: • Interest Rate Parity, Purchasing Power Parity & Fishers Parity, Forecasting Exchange Rates (Efficient Market Approach, Fundamental Approach, Technical Approach, Performance of the Forecasters), Global Financial Markets & Interest Rates (Domestic & Offshore Markets, Money Market Instruments)</p> <p>c) Currency & Interest Rate Futures: • Introduction to Currency Options (Option on Spot, Futures & Futures Style Options), Futures Contracts,</p>	

	Markets & the Trading Process, Hedging & Speculation with Interest Rate Futures, Currency Options in India	
Unit III	World Financial Markets & Institutions & Risks	15
	<p>a) Euro Currency Bond Markets: • Introduction to Euro Currency Market, Origin of Euro Currency Market, Euro Bond Market (Deposit, Loan, Notes Market), Types of Euro Bonds, Innovation in the Euro Bond Markets, Competitive Advantages of Euro Banks, Control & Regulation of Euro Bond Market.</p> <p>b) International Equity Markets & Investments: • Introduction to International Equity Market, International Equity Market Benchmarks, Risk & Return from Foreign Equity Investments, Equity Financing in the International Markets, Depository Receipts – ADR, GDR, IDR.</p> <p>c) International Foreign Exchange Markets: • Meaning of International Foreign Exchange Market, FERA v/s FEMA, Scope & Significance of Foreign Exchange Markets, Role of Forex Manager, FDI v/s FPI, Role of FEDAI in Foreign Exchange Market d) International Capital Budgeting: • Meaning of Capital Budgeting, Capital Budgeting Decisions, Incremental Cash Flows, Cash Flows at Subsidiary and Parent Company, Repatriation of Profits, Capital Budgeting Techniques – NPV</p>	
Unit IV	Foreign Exchange Risk, Appraisal & Tax Management	15
	<p>a) Foreign Exchange Risk Management: • Introduction to Foreign Exchange Risk Management, Types of Risk, Trade & Exchange Risk, Portfolio Management in Foreign Assets, Arbitrage & Speculation.</p> <p>b) International Tax Environment: • Meaning of International Tax Environment, Objectives of Taxation, Types of Taxation, Benefits towards Parties doing Business Internationally, Tax Havens, Tax Liabilities.</p> <p>c) International Project Appraisal: • Meaning of Project Appraisal, Review of Net Present Value Approach (NPV), Option Approach to Project Appraisal, Project Appraisal in the International Context, Practice of Investment Appraisal</p>	
	TOTAL LECTURES	60

REFERENCES:

- *P G Apte, International Financial Management, 5th Edition, The McGraw Hill*

- *Cheol . S. Eun & Bruce G. Resnick, International Finance*
- *Maurice D. Levi, International Finance – Special Indian Edition*
- *Prakash G. Apte, International Finance – A Business Perspective*
- *V A. Aadhani, International Finance*

Course Code: JBCPCMAF204

Course Nomenclature : Advanced Audit and Professional Ethics - II

COURSE OUTCOME:

1. Understand & explain the concept of Compliance Audit, Performance Audit, Comprehensive Audit & Propriety Audit in relation to C&AG of India.
2. Apply & analyses the above-mentioned concepts in moderately complex scenarios.
3. Learner develop practical experiences of different sectors audit

Units	Course Nomenclature	No of lectures
Unit I	Audit of Banks	15
	Introduction, Legal Framework, Audit of accounts and appointment of auditor, Stages of audit, internal audit and inspection, internal control, Compliances with CRR and SLR Requirement, Verification of Assets, Capital and Liabilities, Auditor Report and certification, concurrent audit.	
Unit II	Audit of Non-Banking Financial Companies	15
	Introduction, Difference between Banks and NBFCs, Prudential Norms, Audit procedure, Classification of Frauds by NBFCs, Auditors duty, Audit check list, Compliance with CARO 2020, Format for preparation of financial statement by NBFC,s under Ind AS, Differences between Division II(Ind AS – other than NBFC's) and Division III (Ind AS –NBFC's) of schedule III.	
Unit III	Audit of Insurance Company	15
	Introduction, Legal Framework, Content of Financial Statement, Audit of accounts and appointment of auditor, Requirement of Insurance Act 1938 viz Companies Act 2013, Auditing in an IT Environment, Specific control procedure related to audit of life insurance company, Specific control procedure related to audit of general insurance company, Content of Auditor Report.	
Unit IV	Audit of Consolidated Financial Statement	15
	Introduction, Responsibility of parent company, Responsibility of the auditor of the consolidated financial statement, audit consideration, auditing the consolidation, special consideration, management representation, reporting.	
	TOTAL LECTURES	60

REFERENCE:

- *A Hand Book Of Practical Auditing Paperback – 4 February 2007 by Tandon B.N. (Author) For the students of B.Com., M.Com, Professional Course of C.A., C.S., I.C.W.A. and Professionals of Financial Institutions.*
- *A Hand Book of Practical Auditing, 15/e Author: B N Tandon Imprint : S. Chand Publishing*
- *Quality Audits for ISO 9001: 2000: Making Compliance Value-Added
Author: Tim O Hanlon Publisher: ASQ*

Course Code: JBCPCMAF205

Course Nomenclature : Financial Derivatives

COURSE OUTCOME:

1. Learners will understand the need of financial derivatives.
2. It will enable the students to select the right kind of derivatives amongst forward, futures, options, Greeks, swaps for risk hedging.
3. Understand the option pricing models.
4. Able to distinguish among hedging, speculation and arbitrage.

Units	Course Nomenclature	No of lectures
Unit I	Introduction to Derivatives	15
	· Definition – Types- Participants and Functions- Development of Exchange traded derivatives- Global derivatives markets- Exchange traded vs OTC derivatives markets- Derivatives trading in India- L.C.Gupta committee- J.C. varma committee- Requirements for a successful derivatives markets	
Unit II	Futures – Introduction	15
	· Futures: Introduction- Future terminology- Key features of futures contracts Future vs. Forwards- Pay off for futures- Equity futures- Equity futures in India Index futures- Stock futures- Future trading strategies-Hedging-Speculation Arbitrage- Spread trading.	
Unit III	Futures - Options – Introduction and Pricing Options	15
	· Options: Introduction- Option terminology- Types- Options pay off- Equity options contracts in India-Index Options – Stock options- Options trading strategies- Hedging- Speculation- Arbitrage- Straddle- Strangles- Strips and Straps – Spread trading · The cost of carry models for stock and index futures-cash price and future price, arbitrage opportunity · Factors affecting options pricing- Option pricing models- Binominal pricing model- The black and Scholes model –Pricing of Index options. · Sensitivity of option premia (Delta, Gamma, Lambda, Theta, Rho)	
Unit IV	Trading Clearing and Settlement of Options and Futures	15
	· Futures and Options trading system- Trader workstations- contract specification- specification for stock and index eligibility for trading charges · Clearing entities and their role- clearing mechanism –adjustment for corporate actions- open position calculation · Margining and settlement mechanism- Risk management- SPAN – Mechanics of SPAN- Overall portfolio margin requirements.	
	TOTAL LECTURES	60

REFERENCES:

- *Financial Derivatives Theory, Concepts And Problems Gupta S.L., PHI, Delhi*

- *Financial Derivatives: S S S Kumar:*
- *Derivatives and Risk Management Basics, Cengage Learning, Delhi. Stulz M. Rene,*
- *Risk Management & Derivatives, Cengage Learning, New Delhi.*
- *Fundamentals of Financial Derivatives : Prafulla Kumar Swain : Himalaya Publishing*

SEMESTER III

Course	Course Nomenclature	Course Code	Credits
	<i>Core Courses (CC)</i>		
1	Financial Modeling	JBCPCMAF301	06
2	<i>Project Work</i>	JBCPCMAF302	06
	Project I (Research based)		
3 & 4	<i>Elective Courses (EC) Any Two (EC)</i>		
1	Corporate Tax Planning	JBCPCMAF303	06
2	Business Valuation and Financial Analysis	JBCPCMAF304	06
3	Financial services and Capital Market	JBCPCMAF305	06
		Total Credits	24

Course Code: JBCPCMAF301

Course Nomenclature : Financial Modeling

COURSE OUTCOME:

1. Consolidation of the foundations and development of specific skills of financial modeling
2. Development of a modern system of knowledge and skills that allow to build a financial model of the business depending on task specificity
3. Using the skills of collecting, processing, analyzing and systematizing information for compiling a financial model
4. Understanding the principles of building financial models for companies from different markets
5. Use of tools for sensitivity analysis and scenario analysis

Units	Course Nomenclature	No of lectures
Unit I	Understanding the Basic Features of Excel	07
	Introduction to modeling, introduction to excel, understanding advanced features of excel database functions in excel, creating charts using forms and control toolbox, understanding finance functions present in excel, creating dynamic models.	
Unit II	Sensitivity Analysis Using Excel	08
	Scenario manager, other sensitivity analysis features, simulation using excel different statistical distributions used in simulation generating random numbers that follow a particular distribution, building models in finance using simulation.	
Unit III	Excel in Accounting	15
	Preparing common size statements directly from trial balance, forecasting financial statements using excel, analyzing financial statements by using spreadsheet model, excel in project appraisal, determining project viability. Risk analysis in project appraisal, simulation in project appraisal; excel in valuation, determination of value drivers, discontinued cash flow valuation, risk analysis in valuation.	
Unit IV	Excel in Portfolio Theory	15
	Determining efficient portfolio, creating dynamic portfolios, portfolio insurance, fixed income portfolio management using excel, excel in derivatives black and schools model in excel, Greeks in excel, real options valuation, building a mega model.	
Unit V	Case Study	15

	Financial Modeling in Excel across sectors such as Real Estate, Telecommunication, Technology, Metals & Mining, Bank, Petrochemical, Automobile, and others	
	TOTAL LECTURES	60

REFERENCES:

- *Financial Modeling (MIT Press)*
- *Financial Analysis and Modeling Using Excel and VBA*
- *Financial Modelling in Practice: A Concise Guide for Intermediate and Advanced Level*
- *Financial Modeling and Valuation: A Practical Guide to Investment Banking and Private Equity*
- *Financial Modeling for Business Owners and Entrepreneurs: Developing Excel Models to Raise Capital, Increase Cash Flow, Improve Operations, Plan Projects, and Make Decisions*
- *Financial Modeling: A Backward Stochastic Differential Equations Perspective (Springer Finance)*
- *Building Financial Models (McGraw-Hill Finance & Investing)*
- *The Oxford Guide to Financial Modeling: Applications for Capital Markets, Corporate Finance, Risk Management, and Financial Institutions*
- *The Mathematics of Financial Modeling and Investment Management*
- *The Handbook of Financial Modeling: A Practical Approach to Creating and Implementing Valuation Projection Models*

Course Code: JBCPCMAF302

Course Nomenclature :Project Work I (Research based)

COURSE OUTCOME:

1. To inculcate the element of research analyze and specific temperament challenging the potential of the learner as regard to his/her enquire and ability to interpret particular aspect of the study
2. To understand various concepts under Companies Act, 2013 and descriptive study on practical implication.
3. Students will plan and manage their project, conduct a critical review of relevant literature, undertake their project work to professional standard and evaluate information to prepare a report on their findings.

Introduction

Inclusion of project work in the course curriculum of the Master in Commerce (Accounting & Finance) programme is one of the ambitious aspects in the programme structure. The main objective of inclusion of project work is to inculcate the element of research analyze and scientific temperament challenging the potential of learner as regards to his/ her eager to enquire and ability to interpret particular aspect of the study. It is expected that the guiding teacher should undertake the counseling sessions and make the awareness among the learners about the methodology of formulation, preparation and evaluation pattern of the project work. The Project work is based on research methodology in the study area of Accounts and Finance.

Guidelines for preparation of Project Work based on research methodology in the study area

- The project topic may be undertaken in any area of Elective Courses.
- Each of the learners has to undertake a Project individually under the supervision of a teacher-guide.
- The learner shall decide the topic and title which should be specific, clear and with definite scope in consultation with the teacher-guide concerned.
- University/college shall allot a guiding teacher for guidance to the students based on her / his specialization.

- The project report shall be prepared as per the broad guidelines given below:
 - Font type: Times New Roman
 - Font size: 12-For content, 14-for Title
 - Line Space : 1.5-for content and 1-for in table work
 - Paper Size:A4
 - Margin : in Left-1.5,Up-Down-Right-1
 - The Project Report shall be bounded.
 - The project report should be 80 to 100pages

Structure to be followed to maintain the uniformity in formulation and presentation of Project Work
(Model Structure of the Project Work)

- **Chapter No. 1:Introduction**

In this chapter Selection and relevance of the problem, historical background of the problem, brief profile of the study area, definition/s of related aspects, characteristics, different concepts pertaining to the problem etc can be incorporated by the learner.

- **Chapter No. 2: Research Methodology**

This chapter will include Objectives, Hypothesis, Scope of the study, limitations of the study, significance of the study, Selection of the problem, Sample size, Data collection, Tabulation of data, Techniques and tools to be used, etc can be incorporated by the learner.

- **Chapter No. 3: Literature Review**

This chapter will provide information about studies done on the respective issue. This would specify how the study undertaken is relevant and contribute for value addition in information/ knowledge/ application of study area which ultimately helps the learner to undertake further study on same issue.

- **Chapter No. 4: Data Analysis, Interpretation and Presentation**

This chapter is the core part of the study. The analysis pertaining to collected data will be done by the learner. The application of selected tools or techniques will be used to arrive at findings. In this, table of information's, presentation of graphs etc. can be provided with interpretation by the learner.

- **Chapter No. 5: Conclusions and Suggestions**

In this chapter of project work, findings of work will be covered and suggestion will be enlisted to validate the objectives and hypotheses.

Note: If required more chapters of data analysis can be added.

- **Bibliography**
- **Appendix**

On separate page

Format

<i>1st page (Main Page)</i>
--

Title of the problem of the Project

**A Project Submitted to
University of Mumbai for partial completion of the degree of Master in Commerce
(Accounting and Finance) Under the Faculty of Commerce**

By

Name of the Learner

Under the Guidance of

Name of the Guiding Teacher

Name and address of the College

Month and Year

2nd Page

This page to be repeated on 2nd page (i.e. inside after mainpage)

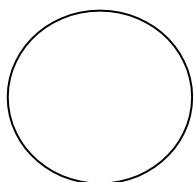
Name and address of the college

Certificate

This is to certify that Ms/Mr _____ has worked and duly completed her/his Project Work for the degree of Master in Commerce(Accounting & Finance) under the Faculty of Commerce in the subject of _____ and her/his project is entitled, “ _____ Title of the Project _____ ” under my supervision.

I further certify that the entire work has been done by the learner under my guidance and that no part of it has been submitted previously for any Degree or Diploma of any University.

It is her/ his own work and facts reported by her/his personal findings and investigations.



Name and Signature of Guiding Teacher

Date of submission:

On separate page
Declaration by learner

I the undersigned Miss / Mr. _____ here by, declare that the work embodied in this project work titled “ _____ ”,

forms my own contribution to the research work carried out under the guidance of _____ is a result of my own research work and has not been previously submitted to any other University for any other Degree/ Diploma to this or any other University.

Wherever reference has been made to previous works of others, it has been clearly indicated as such and included in the bibliography.

I, here by further declare that all information of this document has been obtained and presented in accordance with academic rules and ethical conduct.

Name and Signature of the learner

Certified by

Name and signature of the Guiding Teacher

On separate page

<i>Acknowledgment</i>

(Model structure of the acknowledgement)

To list who all have helped me is difficult because they are so numerous and the depth is so enormous.

I would like to acknowledge the following as being idealistic channels and fresh dimensions in the completion of this project.

I take this opportunity to thank the **University of Mumbai** for giving me chance to do this project.

I would like to thank my **Principal**, _____ for providing the necessary facilities required for completion of this project.

I take this opportunity to thank our **Coordinator** _____, for her moral support and guidance.

I would also like to express my sincere gratitude towards my project guide _____ whose guidance and care made the project successful.

I would like to thank my **College Library**, for having provided various reference books and magazines related to my project.

Lastly, I would like to thank each and every person who directly or indirectly helped me in the completion of the project especially **my Parents and Peers** who supported me throughout my project.

On separate page

Index

Chapter No. 1	Title of the Chapter	Page No.
(sub point 1.1, 1.1.1, And so on)		

Chapter No. 2	Title of the Chapter
---------------	----------------------

Chapter No. 3	Title of the Chapter
---------------	----------------------

Chapter No. 4	Title of the Chapter
---------------	----------------------

Chapter No. 5	Title of the Chapter
---------------	----------------------

List of tables, if any with page numbers.

List of Graphs, if any with page numbers

List of Appendix, if any with page numbers

Abbreviations used

Evaluation pattern of the project work

The Project Report shall be evaluated in two stages viz.	
● Evaluation of Project Report (Bound Copy)	60 Marks
▪ Introduction and other areas covered	20 Marks
▪ Research Methodology, Presentation, Analysis and interpretation of data	30 Marks
▪ Conclusion & Recommendations	10 Marks

<ul style="list-style-type: none"> ● Conduct of Viva-voce 	40 Marks
<ul style="list-style-type: none"> ▪ In the course of Viva-voce, the questions may be asked such as importance / relevance of the study, objective of the study, methodology of the study/ mode of Enquiry(question responses) 	10 Marks
<ul style="list-style-type: none"> ▪ Ability to explain the analysis, findings, concluding observations, recommendation, limitations of the Study 	20 Marks
<ul style="list-style-type: none"> ▪ Overall Impression (including Communication Skill) 	10 Marks

Note:

- **The guiding teacher along with the external evaluator appointed by the University/ College for the evaluation of project shall conduct the viva-voce examination as per the evaluation pattern**

Passing Standard

- Minimum of Grade E in the project component
- In case of failing in the project work, the same project can be revised for ATKT examination.
- Absence of student for viva voce: If any student fails to appear for the viva voce on the date and time fixed by the department such student shall appear for the viva voce on the date and time fixed by the Department, such student shall appear for the viva voce only along with students of the next batch.

Course Code: JBCPCMAF303

Course Nomenclature : Corporate Tax Planning

COURSE OUTCOME:

- To provide Basic knowledge of corporate tax planning and its impact on decision making
- To familiarize the student with major latest provisions of the Indian tax laws and related judicial pronouncements pertaining to corporate enterprises having implications for various aspects of Corporate planning with a view to derive maximum possible tax benefits admissible under the law.

Units	Course Nomenclature	No of lectures
Unit I	Introduction	07
	Meaning of tax planning and management, tax evasion and tax avoidance; Nature and scope of tax planning and management in the corporate sector; Justification of corporate tax planning and management.	
Unit II	Computation of corporate tax	08
	Computation of corporate tax : Carry forward and set off of losses in the case of certain companies under Sec. 79 of Income -tax Act, 1961; Computation of taxable income of companies; Computation of the amount of corporate tax liability; Minimum Alternate Tax; Tax on distributed profits of domestic companies; Tax on income distributed to unit holders.	
Unit III	Tax Planning	15
	Tax planning with reference to financial management decisions: Capital structure decisions; Dividend Policy; Bonus Share; Investments and Capital Gains. Tax planning with reference to managerial decisions: Owning or leasing of an asset; purchasing of assets by installment system or Hire System; Purchasing of an asset out of own funds or out of borrowed capital; manufacturing or buying; Repairing, replacing, renewing or renovating an asset; Sale of assets used for scientific research; Shutting down or continuing operations.	
Unit IV	Dividend tax, Tax planning-I (Location of business)	15
	Dividend Tax-Types of dividend Case study on dividend tax Tax Planning- Employees' Remuneration Tax planning-Location of business	
Unit V	Tax Planning-Foreign Collaboration	15
	Foreign collaborations and incidence of taxation on domestic companies ; provisions for relief in respect of double taxation; important Double Taxation Avoidance Agreements with different countries like USA, UK, Germany, France, etc. and their Case study	
	TOTAL LECTURES	60

REFERENCE:

- *E.A. Srinivas, Corporate Tax Planning, Tata McGraw Hill.*
- *Vinod K. Singhania, Taxmann's Direct Taxes Planning and Management.*

- *V.S. Sundaram, Commentaries on the Law of Income- Tax in India, Law Publishers, Allahabad.*
- *A.C. Sampath Iyengar, Law of Income Tax, Bharat Publishing House, Allahabad. Syllabus - Fourth Semester 25*
- *Taxman, The Tax and Corporate Law Weekly.*
- *Bhagmati Prasad, Direct Taxes Laws Practice, Wishwa Prakashan.*

Course Code: JBCPCMAF304

Course Nomenclature : Business Valuation and Financial Analysis

COURSE OUTCOME:

1. Learner will be able to apply the techniques and methods of valuation in real life situations in different contexts.
2. Learner develop proficiency in valuation
3. Learner develops capabilities to offer advisory/consultancy services in the area of valuation.

Units	Course Nomenclature	No of lectures
Unit I	Basics of Valuation	07
	Introduction to valuation Value, Distinction between Price and Value Foundation of Business Valuation, Purpose of business valuation, Valuation Bias, Uncertainties in Business Valuation, Role of valuation in business acquisition, legal and tax purposes, efficient market hypothesis	
Unit II	Valuation Models	08
	Introduction to valuation models: asset based approach, Income based approach, market based approach, Discounted cash flow valuation, Relative valuation, Free Cash Flow valuation	
Unit III	Valuation of Assets and Liabilities	15
	Valuation of Fixed Assets, Valuation of Inventories and Valuation of Investment, Valuation of Shares, Valuation of Goodwill, Patents, Copyrights, Brands, Real Estate, Valuation of Liabilities	
Unit IV	Financial Analysis	15
	Financial Analysis, Financial Statement Analysis, Analysis of Balance Sheet Analysis of Income Statement Analysis of Statement of Shareholder Equity Analysis of Cash flow Statement Analysis of Profitability	
Unit V	Growth Analysis and Sustainable Earning	15
	Concept of Growth Analysis Analysis of changes in profitability and sustainable earnings Evaluation of P/B ratios and P/E ratios	
	TOTAL LECTURES	60

REFERENCE:

- *Valuation: Measuring and Managing the value of Companies: Thomas Copeland- Wiley*
- *The Handbook of Advance Business Valuation: Rovert F Reilly and Robert Swheish: Mc Graw hill*
- *Business Valuation: Pitabas Mohanty- Taxmann*
- *Valuation- Measuring and Managing the value of Companies : Tim Koller- Mc Kinsey & Co*

Course Code: JBCPCMAF305

Course Nomenclature : Financial Services and Capital Market

COURSE OUTCOME:

1. Understand the role and function of the financial system in reference to the macro economy.
2. Demonstrate an awareness of the current structure and regulation of the Indian financial services sector.
3. Evaluate and create strategies to promote financial products and services.

Units	Course Nomenclature	No Of Lectures
-------	---------------------	----------------

Unit I	Global Financial Markets	07
	Introduction To Global Financial Markets ,Role Of Financial Market In Economic Development Of A Country ,Stakeholders In Financial Market (Domestic And Global, Indian Financial Market Scenario)	
Unit II	Impact Of Various Policies Of Financial Markets	08
	Credit Policy Of The RBI, Fed Policy, Cost Inflation Index ,Consumer Price Index, Wholesale Price Index	
Unit III	Capital Market	15
	Capital Market - Primary Basics Of Capital Markets , Segments Of Capital Market ,Capital Market Instruments, Aspects Of Primary Market. Capital Market - Secondary Introduction To Secondary Market ,Development Of The Stock Market In India, Stock Market Organization In India ,Demutualization Of Stock Exchanges, Share Trading In Secondary Market ,Stock Market And Its Operations.	
Unit IV	Money Market	15
	Basics Of Money Market, Money Market Participants (Institutions) , Money Market Instruments , Cash Reserve Ratio And Statutory Liquidity Ratio, Determination Of Interest Rates , Money Market Instruments- G Sec , Recent Developments In Money Market ,Repo, Reverse Repo And Ready Forward Contract, Day Count Convention ..	
Unit V	COMMODITY MARKET	15
	Introduction Role Of Commodity Markets , Commodity Market In India, Application Of Derivative In Commodities ,Global Commodities Exchanges	
	TOTAL LECTURES	60

REFERENCE:

- *Financial Services and Capital Market E Gordan and K. Natrajan, Himalaya Publishing House*
- *David And Goliath: Displacing A Primary Market - By Ajay Shah & Susan Thomas*
- *Smith, B. Mark., A History Of Global Stock Market (Farrar, Straus And Giroux, Chicago, 2003).*
- *Macrae, Norman., The London Capital Market (Staples Press Ltd., London, 1955).*

SEMESTER IV

Course	Course Nomenclature	Course Code	Credits
	<i>Core Courses (CC)</i>		
1	Financial Reporting and Analysis	JBCPCMAF401	06
2	<i>Project Work</i>	JBCPCMAF402	06
	Project II (Internship based)		

3 & 4	<i>Elective Courses (EC) Any Two (EC)</i>		
1	International Financial Reporting Standard (IFRS)	JBCPCMAF403	06
2	Introduction to Fintech	JBCPCMAF404	06
3	International Taxation	JBCPCMAF405	06
		Total Credits	24

Course Code: JBCPCMAF401

Course Nomenclature : Financial Reporting and Analysis

COURSE OUTCOME:

1. Learner comprehends the theory and practices of corporate financial reporting.
2. Learner use financial reporting theory and practices to analyses the performance of a company.
3. Learner design appropriate business policies and strategies to meet stakeholder and shareholder needs in the light of the recent changes in financial reporting.

Units	Course Nomenclature	No of lectures
Unit I	Conceptual framework for financial reporting under Indian Accounting Standard	15
	Introduction of Financial Reporting • Objective of General purpose Financial Reporting • Need for reporting • Contents of Financial Report • Financial statement and reporting entity • Recent trends in Financial reporting.	
Unit II	International Financial Reporting Standards (IFRS) & Ind – AS	15
	Accounting Standards (AS) – applicability, interpretation, scope and compliance in India Introduction to I.F.R.S • Ind – AS • Specific Ind AS: 1 Presentation of Financial Statement, Ind AS: 12 Income Taxes, Ind AS 16: Property, Plant and Equipment, Ind AS 23 : Borrowing Cost , Ind AS 33 : Earning Per Share, Ind AS : 34 Interim Financial Reporting.	
Unit III	Consolidated Financial Statement	15
	Meaning, Stand Alone Financial Statements Consolidated Financial statements – Applicability, Advantages & Disadvantages Procedure of Consolidation of Balance-sheet & Profit & Loss Account (Excluding cross holding, Chain Holding & Foreign Subsidiary)	
Unit IV	Accounting and Reporting of Financial Instruments	15
	Financial instruments Introduction, Scope and Definition, Classification and measurement of financial assets and financial liabilities, Equity and financial liability, Recognition and De-recognition of financial instrument.	
	TOTAL LECTURES	60

REFERENCE:

- *Financial Reporting and Analysis Sanjay Dhamija SULTAN CHAND & SONS Educational Publishers 23, Daryaganj, New Delhi.*
- *Financial Reporting and Analysis PROF. JAWAHAR LAL, DR. SUCHETA GAUBA, Himalaya Publishing House Pvt. Ltd Girgaon, Mumbai*

Course Code: JBCPCMAF402

Course Nomenclature : Project Work II (Internship based)

COURSE OUTCOME:

1. Learner develops analytical skills and ability to present supportive evidence
2. Learner learned through direct, on-the-job experience working with successful professionals and experts in the field.
3. Learner will able to earn a lifelong learning and experiences.

Introduction

There are certain phases of every Intern's professional development that cannot be effectively taught in the academic environment. These facets can only be learned through direct, on-the-job experience working with successful professionals and experts in the field. The internship program can best be described as an attempt to institutionalize efforts to bridge the gap between the professional world and the academic institutions. Entire effort in internship is in terms of extending the program of education and evaluation beyond the classroom of a university or institution. The educational process in the internship course seeks out and focuses attention on many latent attributes, which do not surface in the normal class room situations. These attributes are intellectual ability, professional judgment and decision making ability, inter-disciplinary approach, skills for data handling, ability in written and oral presentation, sense of responsibility etc.

In order to achieve these objectives, each student will maintain a report (Internship Report). The Internship report aims to encourage students to keep a personal record of their learning and achievement throughout the Programme. It can be used as the basis for lifelong learning and for job applications. Items can be drawn from activities completed in the course modules and from the workplace to demonstrate learning and personal development.

The report will assess the student's analytical skills and ability to present supportive evidence, whilst demonstrating understanding of their organization, its needs and their own personal contribution to the organizations.

Guidelines for preparation of Project Work on on internship in the study area

Guidelines for Internship based project work

- Minimum 20 days/ 100 hours of Internship with an Organization/ NGO/ Charitable Organization/ Private firm.
- The theme of the internship should be based on any study area of the elective courses
- Experience Certificate is Mandatory
- A project report has to be brief in content and must include the following aspects:
 - **Executive Summary:**
A bird's eye view of your entire presentation has to be precisely offered under this category.
 - **Introduction on the Company:**

A Concise representation of company/ organization defining its scope, products/ services and its SWOT analysis.

- **Statement and Objectives:**

The mission and vision of the organization need to be stated enshrining its broad strategies.

- **Your Role in the Organisation during the internship:**

The key aspects handled, the department under which you were deployed and brief summary report duly acknowledged by the reporting head.

- **Challenges:**

The challenges confronted while churning out theoretical knowledge into practical world.

- **Conclusion:**

A brief overview of your experience and suggestions to bridge the gap between theory and practice.

- The project report based on internship shall be prepared as per the broad guidelines given below:

- Font type: Times New Roman
- Font size: 12-For content, 14-for Title
- Line Space : 1.5-for content and 1-for in table work
- Paper Size:A4
- Margin : in Left-1.5,Up-Down-Right-1
- The Project Report shall be bounded.
- The project report should be of minimum 50 pages

Format

<i>1st page (Main Page)</i>
--

<i>Title of the problem of the Project</i>
--

A Project Submitted to

**University of Mumbai for partial completion of the degree of Master in Commerce
(Accounting and Finance) Under the Faculty of Commerce**

By

Name of the Learner

Under the Guidance of

Name of the Guiding Teacher

Name and address of the College

Month and Year

2nd Page

This page to be repeated on 2nd page (i.e. inside after mainpage)

Name and address of the college

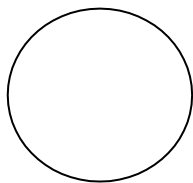
Certificate

This is to certify that Ms/Mr _____ has worked and duly completed her/his Project Work for the degree of Master in Commerce(Accounting & Finance) under the Faculty of Commerce in the subject of _____ and her/his project is entitled,

“ _____ Title of the Project _____ ” under my supervision.

I further certify that the entire work has been done by the learner under my guidance and that no part of it has been submitted previously for any Degree or Diploma of any University.

It is her/ his own work and facts reported by her/his personal findings and investigations.



Name and Signature of Guiding Teacher

Date of submission:

On separate page
Declaration by learner

I the undersigned Miss / Mr. _____ here by, declare that the work embodied in this project work titled “ _____ ”,

forms my own contribution to the research work carried out under the guidance of _____ is a result of my own research work and has not been previously submitted to any other University for any other Degree/ Diploma to this or any other University.

Wherever reference has been made to previous works of others, it has been clearly indicated as such and included in the bibliography.

I, here by further declare that all information of this document has been obtained and presented in accordance with academic rules and ethical conduct.

Name and Signature of the learner

Certified by

Name and signature of the Guiding Teacher

On separate page

Acknowledgment

(Model structure of the acknowledgement)

To list who all have helped me is difficult because they are so numerous and the depth is so enormous.

I would like to acknowledge the following as being idealistic channels and fresh dimensions in the completion of this project.

I take this opportunity to thank the **University of Mumbai** for giving me chance to do this project.

I would like to thank my **Principal**, _____ for providing the necessary facilities required for completion of this project.

I take this opportunity to thank our **Coordinator** _____, for her moral support and guidance.

I would also like to express my sincere gratitude towards my project guide _____ whose guidance and care made the project successful.

I would like to thank my **College Library**, for having provided various reference books and magazines related to my project.

Lastly, I would like to thank each and every person who directly or indirectly helped me in the completion of the project especially **my Parents and Peers** who supported me throughout my project.

Evaluation pattern of the project work II

The Project Report shall be evaluated in two stages viz.	
● Evaluation of Project Report (Bound Copy)	60 Marks
▪ Introduction and other areas covered	20 Marks
▪ Analysis and interpretation of data, Industry Feedback	30 Marks
▪ Conclusion & Recommendations	10 Marks
● Conduct of Viva-voce	40 Marks
▪ In the course of Presentation or Viva-voce, the questions may be asked such as importance / relevance of the study, objective of the study, methodology of the study/ mode of Enquiry(question responses)	10 Marks
▪ Ability to explain the analysis, findings, concluding observations, recommendation, limitations of the Study	20 Marks
▪ Overall Impression (including Communication Skill)	10 Marks

Note:

- **The guiding teacher along with the external evaluator appointed by the University/ College for the evaluation of project shall conduct the viva-voce examination as per the evaluation pattern**

Passing Standard

- Minimum of Grade E in the project component
- In case of failing in the project work, the same project can be revised for ATKT examination.
- Absence of student for viva voce: If any student fails to appear for the viva voce on the date and time fixed by the department such student shall appear for the viva voce on the date and time fixed by the Department, such student shall appear for the viva voce only along with students of the next batch.

Course Code: JBCPCMAF403

Course Nomenclature : International Financial Reporting Standard (IFRS)

COURSE OUTCOME:

1. Learner will be able to familiarize and understand the International Financial Reporting Standards (IAS or IFRS) and their application to the companies who use them.
2. Learner will prepare the mandatory financial statements, according to the IFRS.
3. Learner can work in the Finance Department of companies using IFRS.

Units	Course Nomenclature	No of lectures
Unit I	Conceptual Foundations of Financial Statements	15
	The objective of financial reporting; • The main assumptions; • Qualitative characteristics of financial reporting; • Elements of Financial Statements: recognition and measurement	
Unit II	Presentation of Financial statements	15
	Presentation of financial statements Accounting standards: Role/objectives of accounting standards, Development of accounting standards in India - Requirements of international accounting standards - International organizations engaged in accounting harmonization - IASB - FASB - Role of IASB in developing IFRS IFRS :- Introduction, scope Indian Accounting standards (Ind AS) : Introduction Road map Comparison of Ind AS, IFRS and AS Conceptual framework Definition of financial elements Principles of	

	recognition, measurements, presentation and disclosure. (Theory and Practical	
Unit III	Indian Accounting Standards for Assets, Liabilities and Revenue	15
	Valuation of Inventories Cash flow statement Accounting for tangible non-current assets Accounting for intangible assets Accounting for impairment of assets Accounting for borrowing costs Investment property Revenue from contracts with customers Income tax Employee benefits Provisions, contingent liabilities and contingent assets (Theory and Practical)	
Unit IV	Presentation of Single Entity Financial Statements Covered by IFRS Convergence	15
	Ind AS 1: Accounting policies, Accounting estimates IAS 8 and Ind AS 8- Events after reporting date IAS 10 and Ind AS 10 - Structure and contents of financial statements Preparation of financial statements: Statement of Financial Position (SOPF) - Statement of Profit or Loss (SOPL) - Statement of Changes in Equity (SOCE) - Cash Flow Statement (SOCF) (IAS 7 and Ind AS 7). (Theory and Practical)	
	TOTAL LECTURES	60

REFERENCE:

- *International GAAP 2021 1st Edition by Ernst & Young LLP*
- *Wiley Interpretation and Application of IFRS Standards 2020 (Wiley IFRS) 1st Edition by PKF International Ltd*
- *Intermediate Accounting IFRS 4th Edition by Donald E. Kieso , Jerry J. Weygandt , Terry D. Warfield*
- *International Financial Statement Analysis Workbook (CFA Institute Investment Series) 4th Edition by Thomas R. Robinson*
- *Company valuation under IFRS - 3rd edition: Interpreting and forecasting accounts using International Financial Reporting Standards Hardcover – February 11, 2020 by Nick Antill , Kenneth Lee, Deborah Taylor*

Course Code: JBCPCMAF404

Course Nomenclature : Introduction to Fintech

COURSE OUTCOME:

1. Learner will observe, analysis and critical reflect of economic processes, institutions and innovations, using assigned readings, current events, current press and periodicals, other references, cases and class discussions.
2. Learner understands master key concepts in financial products and services and the regulation thereof.
3. Learner gain a basic knowledge of current and prospective technology as it relates to financial products and services
4. Learner understands master key concepts in the financing of startups: angel investing, venture capital, initial public offerings; and to gain perspective on potentially negative distribution effects of this structure.
5. Learner improves knowledge of current and future issues in cutting edge developments in banking, financial markets and entrepreneurial fields.

Units	Course Nomenclature	No of lectures
Unit I	What is FinTech?	07

	<ul style="list-style-type: none"> • FinTech Transformation • FinTech Evolution 1.0: Infrastructure • FinTech Evolution 2.0: Banks • FinTech Evolution 3.0 & 3.5: Startups and Emerging Markets • Industry Showcase: Collaboration between Financial Institutions and Startups • FinTech Typology • Emerging Economics: Opportunities and Challenges • From too-Small-To-Care to Too-Big-To-Fail • Introduction to Regulation • Industry Showcase: The Future of RegTech and 6 Technologies Impacting It 	
Unit II	Payments, Cryptocurrencies and Blockchain	08
	<ul style="list-style-type: none"> • Individual Payments • Developing Countries and DFS: The Story of Mobile Money • Developing Countries and DFS: Regulation of Mobile Money • RTGS Systems • The ABCDs of Alternative Finance • Building a New stack • Cryptocurrencies • Industry Showcase : Legal and Regulatory Implications of Cryptocurrencies • What is Blockchain? • Industry Showcase: The Benefits from New Payment Stacks (Applications of Ripple) 	
Unit III	FinTech Regulation and RegTech	15
	<ul style="list-style-type: none"> • FinTech Regulations • Evolution of RegTech • RegTech Ecosystem: Financial Institutions • RegTech Ecosystem: Startups • RegTech Startups: Challenges • RegTech Ecosystem: Regulators • Industry Showcase: Use Case of AI in Smart Regulation and Fraud Detection • Regulatory Sandboxes • Smart Regulation • Redesigning Better Financial Infrastructure 	
Unit IV	Digital Finance and Alternative Finance	15
	<ul style="list-style-type: none"> • A Brief History of Financial Innovation • Digitization of Financial Services • FinTech & Funds • Industry Showcase: How AI is Transforming the Future of FinTech 	

	<ul style="list-style-type: none"> • Industry Showcase: Ensuring Compliance from the Start: Suitability and Funds • Crowdfunding - Regards, Charity and Equity • P2P and Marketplace Lending • The Rise of Chinese TechFins - New Models and New Products • What is an ICO 	
Unit V	Data & TechFin	15
	<ul style="list-style-type: none"> • History of Data Regulation • Data in Financial Services • Industry Showcase : Application of Data Analytics in Finance • European Big-Bang: PSD2 / GDPR / Mifid2 • Industry Showcase : PSD2: Open Banking API Will Help Startups • Industry Showcase : Methods of Data Protection: GDPR <p>Compliance and Personal Privacy</p> <ul style="list-style-type: none"> • Digital Identity • Change in mindset: Regulation 1.0 to 2.0 (KYC to KYD) • AI & Governance • New Challenges of AI and Machine Learning • Data, Metadata and Differential Privacy • Data is the New Oil: Risk of Breach • Industry Showcase : Cybersecurity Industry Update • The Future of Data-Driven Finance <p>Case Study 1: Revolut Case Study 2: Alibaba Case Study 3: Aadhaar Case Study 4: Credit Karma Case Study 5: Digibank</p>	
	TOTAL LECTURES	60

REFERENCE:

- *The PAYTECH Book: The Payment Technology Handbook For Investors, Entrepreneurs, And Fintech Visionaries Paperback – 26 December 2019 By Susanne Chishti , Tony Craddock , Robert Courtneidge.*
- *A Guide To Financial Regulation For Fintech Entrepreneurs Paperback – 1 January 2018 By Stefan Loesch.*
- *Digital Bank: Strategies To Launch Or Become A Digital Bank Paperback – 1 January 2017 By CHRIS SKINNER .*
- *The INSURTECH Book: The Insurance Technology Handbook For Investors, Entrepreneurs And Fintech Visionaries Paperback – 4 May 2018 By Sabine L.B Vanderlinden , M. Millie, Nicole Anderson.*

- *The FINTECH Book: The Financial Technology Handbook For Investors, Entrepreneurs And Visionaries Paperback – 1 April 2016 By Susanne Chishti , Janos Barberis.*

Course Code: JBCPCMAF405

Course Nomenclature : International Taxation

COURSE OUTCOME:

1. Learner will understand concept of tax treaties and apply the method for application of tax treaties
2. Learner develop the orally as well as in writing, complicated problems and arguments for objective-oriented solutions
3. Learner understand the relationship between tax treaties and (strictly) internal law

Units	Course Nomenclature	No of lectures
Unit I	Transfer Pricing	15
	Evolution of transfer pricing in India, What is transfer pricing, Arm Length Principles, Practical difficulties in application of ALP, Associated Enterprises, International transaction, Specified Domestic transaction, Computation of ALP (Sec 92C), Function, Assets and Risk (FAR) Analysis, Concepts of Comparability adjustments, Documentation and compliances, Specific Reporting requirements- Country by Country Reporting, Transfer of Income to Non- Residents (Section 93).	

Unit II	Non – Resident Taxation	15
	Introduction, Important Definition – Assesse Sec 2(7), Peron Sec 2(31), Assessment Year Sec 2(9), Previous Year Sec(3), Domestic Company Sec 2(22A), Foreign Company Sec 2 (23A), India Sec 2(25A), Liable to Tax Sec 2(29A), Resident Sec 2(42), Non-resident Sec 2(30), Transfer Sec 2(47), Charge of Income Tax Sec 4, Residential Status and Scope of Total Income, Exempt Income of Non-Residents Sec 10, Presumptive Taxation for Non-Resident, Capital Gain Taxation for Non-Resident, Determination of Tax in certain special cases (Chapter XII) Applicability of Minimum Alternate Tax (MAT) on Foreign Countries Sec 115JB ,Withholding tax provisions for Non-Resident	
Unit III	An Overview of Black Money and the Imposition of Tax law	15
	Introduction, Basis of charges (Chapter II sec 2 to 5) Tax Management (Chapter III Sec 6 to 40), Penalties (Chapter IV Sec 40 to 47), Offences and Prosecution (Chapter V), General Provision (Chapter VII)	
Unit IV	Taxation of E-Commerce Transactions	15
	E-Commerce, Business transacted through E-Commerce, E-Commerce Global and Indian scenario, Taxation on E-Commerce, Equalization Levy: Genesis and Statutory Provisions, Relevant provisions in the Income Tax Act 1961.	
	TOTAL LECTURES	60

REFERENCES :

- *International Taxation – A Compendium (Set of 4 Volumes) The Chamber of Tax Consultants, Taxmanns.*
- *Basic Concepts of International Taxation, D.C Agarwal, Taxmanns*
- *Indian Double Taxation Agreements & Tax Laws, D.P Mittal, Taxmanns*

Scheme of Evaluation

The performance of the learners will be evaluated in two Components. One component will be the Internal Assessment component carrying 40% marks and the second component will be the Semester-wise End Examination component carrying 60% marks. The allocation of marks for the Internal Assessment and Semester End Examinations will be as shown below:-

Modality of Assessment

A. **Internal Assessment: 40% - 40 Marks**

Sr. No.	Evaluation Type	Marks
1	One class test (20 Marks)	
	Match the Column/ Fill in the Blanks/ Multiple Choice Questions (<i>1/2 Mark each</i>)	05 Marks
	Answer in One or Two Lines (Concept based Questions) (<i>01 Mark each</i>)	05 Marks
	Answer in Brief (Attempt Any Two of the Three) (<i>05 Marks each</i>)	10 Marks
2	Assignment / Project / Power Point Presentation	15 Marks

3	Class Participation (Active participation in routine class instructional deliveries and overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic activities)	05 Marks
	Total	40 Marks

B. External Examination: 60%- 60Marks

Question Paper Pattern (Practical Courses)

Maximum Marks: 60

Questions to be set: 04

Duration: 2 Hrs.

All Questions are Compulsory Carrying 15 Marks each.

Semester End Theory Examination

Time: 2 hours

- NB.
1. All questions are compulsory.
 2. Each question has internal options.
 3. Figures to the right indicate marks.

Question No	Particular	Marks
Q-1	Objective Questions A) Sub Questions to be asked 10 and to be answered any08 B) Sub Questions to be asked 10 and to be answered any07 (*Multiple choice / True or False / Match the columns/Fill in the blanks)	15 Marks
Q-2	Full Length Practical Question	15Marks
Q-2	OR Full Length Practical Question	15Marks

Q-3	Full Length Practical Question	15Marks
Q-3	OR Full Length Practical Question	15Marks
Q-4	A) Theory questions	08Marks
	B) Theory questions	07Marks
Q-4	OR Short Notes	15Marks
	To be asked 05	
	To be answered 03	
	Total	60 Marks

Note:

Practical question of 15 marks may be divided into two sub questions of 7/8 and 10/5 Marks. If the topic demands, instead of practical questions, appropriate theory question may be asked.

Question Paper Pattern (Theoretical Courses)

Maximum Marks: 60

Questions to be set: 04

Duration: 2 Hrs.

All Questions are Compulsory Carrying 15 Marks each.

Semester End Theory Examination

Time: 2 hours

- NB.
1. All questions are compulsory.
 2. Each question has internal options.
 3. Figures to the right indicate marks.

Question No	Particular	Marks
Q-1	Objective Questions A) Sub Questions to be asked 10 and to be answered any 08 B) Sub Questions to be asked 10 and to be answered any 07 (*Multiple choice / True or False / Match the columns/Fill in the blanks)	15 Marks
Q-2	Full Length Question	15 Marks
Q-2	OR Full Length Question	15 Marks

Q-3	Full Length Question	15 Marks
Q-3	OR Full Length Question	15 Marks
Q-4	A) Theory questions	08 Marks
	B) Theory questions	07 Marks
Q-4	OR Short Notes	15 Marks
	To be asked 05	
	To be answered 03	
	Total	60 Marks

Note:

Theory question of 15 marks may be divided into two sub questions of 7/8 and 10/5 Marks
