

University of Mumbai

वेबसाईट - mu.ac.in

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विद्याविषयक प्राधिकरणे
सभा आणि सेवा विभाग(ए.ए.एम.एस)
कम नं. १२८ एम.जी.रोड, फोर्ट,
मुंबई - ४०० ०३२
टेलिफोन नं - ०२२ - ६८३२००३३

(नॅक पुनर्मूल्यांकनाद्वारे ३.६५ (सी.जी.पी.ए.) सह अ++ श्रेणी
विद्यापीठ अनुदान आयोगाद्वारे श्रेणी १ विद्यापीठ दर्जा)

क.वि.प्रा.स.से./आयसीडी/२०२५-२६/३७

दिनांक : २७ मे, २०२५

परिपत्रक:-

सर्व प्राचार्य/संचालक, संलग्नित महाविद्यालये/संस्था, विद्यापीठ शैक्षणिक विभागांचे संचालक/ विभाग प्रमुख यांना कळविण्यात येते की, राष्ट्रीय शैक्षणिक धोरण २०२० च्या अमलबजावणीच्या अनुषंगाने शैक्षणिक वर्ष २०२५-२६ पासून पदवी व पदव्युत्तर अभ्यासक्रम विद्यापरिषदेच्या दिनांक २८ मार्च २०२५ व २० मे, २०२५ च्या बैठकीमध्ये मंजूर झालेले सर्व अभ्यासक्रम मुंबई विद्यापीठाच्या www.mu.ac.in या संकेत स्थळावर NEP २०२० या टॅब वर उपलब्ध करण्यात आलेले आहेत.

मुंबई - ४०० ०३२
२७ मे, २०२५


(डॉ. प्रसाद कारडे)
कुलसचिव

क.वि.प्रा.स.से.वि/आयसीडी/२०२५-२६/३७ दिनांक : २७ मे, २०२५
Desktop/ Pritam Loke/Marathi Circular/NEP Tab Circular



Copy forwarded for information and necessary action to :-	
1	The Deputy Registrar, (Admissions, Enrolment, Eligibility and Migration Dept)(AEM), dr@eligi.mu.ac.in
2	The Deputy Registrar, Result unit, Vidyanagari drresults@exam.mu.ac.in
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5	The Deputy Registrar, CAP Unit, Vidyanagari cap.exam@mu.ac.in
6	The Deputy Registrar, College Affiliations & Development Department (CAD), deputyregistrar.uni@gmail.com
7	The Deputy Registrar, PRO, Fort, (Publication Section), Pro@mu.ac.in
8	The Deputy Registrar, Executive Authorities Section (EA) eau120@fort.mu.ac.in He is requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to the above circular.
9	The Deputy Registrar, Research Administration & Promotion Cell (RAPC), rapc@mu.ac.in
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11	The Deputy Registrar, College Teachers Approval Unit (CTA), concolsection@gmail.com
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18	Director, Innovation, Incubation and Linkages, Dr. Sachin Laddha pinkumanno@gmail.com
19	Director, Department of Lifelong Learning and Extension (DLLE), dlleuniversityofmumbai@gmail.com

Copy for information :-	
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3	P.A to Registrar, registrar@fort.mu.ac.in
4	P.A to all Deans of all Faculties
5	P.A to Finance & Account Officers, (F & A.O), camu@accounts.mu.ac.in

To,

1	The Chairman, Board of Deans pvc@fort.mu.ac.in
2	Faculty of Humanities, Offg. Dean 1. Prof.Anil Singh Dranilsingh129@gmail.com Offg. Associate Dean 2. Prof.Manisha Karne mkarne@economics.mu.ac.in 3. Dr.Suchitra Naik Naiksuchitra27@gmail.com
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4	The Director, Board of Examinations and Evaluation, dboee@exam.mu.ac.in
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As Per NEP 2020

University of Mumbai



Syllabus for Major Vertical – 1 & 4

Name of the Programme – B.Com. (Investment Management)		
Faculty of Commerce & Management		
Board of Studies in Investment Management		
U.G. Second Year Programme	Exit Degree	U.G. Diploma in Investment Management
Semester	III & IV	
From the Academic Year	2025-26	

University of Mumbai



(As per NEP 2020)

Sr. No.	Heading	Particulars
1	Title of program O: _____	B.Com. (Investment Management)
2	Exit Degree	U.G. Diploma in Investment Management
3	Scheme of Examination R: _____	NEP 40% Internal 60% External, Semester End Examination Individual Passing in Internal and External Examination
4	Standards of Passing R: _____	40%
5	Credit Structure Sem. III – R: CU – 525 C Sem. IV– R: CU – 525 D	Attached herewith
6	Semesters	Sem. III & IV
7	Program Academic Level	5.00
8	Pattern	Semester
9	Status	New
10	To be implemented from Academic Year	2025-26

Sd/-
Sign of the BOS
Chairman
Dr. Sunil Karve
Board of Studies
in BBI & BIM

Sd/-
Sign of the
Offg. Associate Dean
Prin. Kishori Bhagat
Faculty of Commerce
& Management

Sd/-
Sign of the
Offg. Associate Dean
Prof. Kavita Laghate
Faculty of Commerce
& Management

Sd/-
Sign of the
Offg. Dean
Prin. Ravindra Bambardekar
Faculty of Commerce &
Management

Under Graduate Diploma in Investment Management
Credit Structure (Sem. III & IV)

	R:_____C									
Level	Semester	Major		Minor	OE	VSC, SEC (VSEC)	A E C, V E C, I K S	OJT, FP, CEP, CC, RP	Cum. Cr. / Sem.	Degree/ Cum. Cr.
		Mandatory	Electives							
5.0	III	8 Strategic Mutual Fund Management (4) Direct Taxation For Investment Management (4)		4	2	VSC:2, Investment Laws And Regulatory Framework (2) OR Income Tax Return (ITR) Filing (2)	AEC: 2	FP: 2 CC:2	22	UG Diploma 88
	R:_____D									
	IV	8 Data-Driven Investment Strategies 4) Security Analysis and Portfolio Management (4)		4	2	SEC:2 Information Technology Driven Investment Management (2) OR KYC Documentat ion And Compliance In Investment Sector (2)	8+4+ 2	8+4	88	
	Cum Cr.	28		10	12	6+6	8+4+ 2	8+4	88	
Exit option; Award of UG Diploma in Major and Minor with 80-88 credits and an additional 4 credits core NSQF course/ Internship OR Continuewith Major and Minor										

[Abbreviation - OE – Open Electives, VSC – Vocation Skill Course, SEC – Skill Enhancement Course, (VSEC), AEC – Ability Enhancement Course, VEC – Value Education Course, IKS – Indian Knowledge System, OJT – on Job Training, FP – Field Project, CEP – Continuing Education Program, CC – Co-Curricular, RP – Research Project]

R:_____C

[illegible]

Exit option: Award of UG Degree in Major with 132 credits OR Continue with Major and Minor

Sem. - III

Vertical – 1 Major

Syllabus
B.Com. (Investment Management)
(Sem.- III)

Title of Paper : STRATEGIC MUTUAL FUND MANAGEMENT

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	Mutual funds play a pivotal role in the investment ecosystem, offering diversified portfolios, risk management, and wealth-building opportunities for individuals and institutions. This course provides students with a comprehensive understanding of mutual fund structures, investment strategies, risk assessment, and regulatory frameworks. It equips learners with practical knowledge to analyze mutual funds, assess their performance, and make informed investment decisions.
2	Vertical :	Major
3	Type :	Theory
4	Credit:	4 credits
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand the fundamental concepts, types, and structures of mutual funds. 2. Analyze the risk-return trade-off in mutual fund investments. 3. Evaluate mutual fund performance using key financial metrics. 4. Comprehend regulatory aspects and compliance requirements in mutual fund management. 5. Develop investment strategies based on investor profiles and market conditions.	

8	Course Outcomes: Upon completing this course, students will be able to: 1. Demonstrate an in-depth understanding of mutual fund investment principles. 2. Apply financial tools to assess and compare mutual fund performance. 3. Develop investment plans considering market trends and investor objectives. 4. Interpret legal and regulatory frameworks governing mutual funds. 5. Integrate mutual fund strategies into broader financial planning and portfolio management.
9	Modules:- Module 1: Fundamentals of Mutual Funds Unit 1: Introduction to Mutual Funds • Definition, Concept, and Evolution of Mutual Funds • Types of Mutual Funds (Equity, Debt, Hybrid, Index, ETFs, etc.) • Mutual Fund Structure: Asset Management Companies (AMCs), Fund Managers, Trustees • Advantages and Limitations of Mutual Funds Unit 2: Mutual Fund Operations & Participants • Role of SEBI and Regulatory Framework • Net Asset Value (NAV) Calculation and Pricing Mechanism • Expense Ratio and Its Impact on Returns • Fund Distributors, Investors, and Market Participants ○ Module 2: Mutual Fund Investment Strategies Unit 3: Risk-Return Analysis in Mutual Funds • Risk Types: Market Risk, Credit Risk, Liquidity Risk, Interest Rate Risk • Risk Mitigation Strategies in Mutual Fund Investing • Portfolio Diversification and Asset Allocation Strategies • Understanding Mutual Fund Benchmarks and Indexing Unit 4: Performance Evaluation of Mutual Funds • Performance Metrics: Sharpe Ratio, Alpha, Beta, Standard Deviation • Comparison of Actively Managed vs. Passive Funds • Factors Affecting Mutual Fund Performance • Case Studies on Successful Mutual Fund Investments

Module 3: Mutual Fund Selection & Investor Suitability		
Unit 5: Selection Criteria for Mutual Fund Investment • Understanding Fund Fact Sheets and Offer Documents • Importance of Investment Horizon and Financial Goals • Role of Systematic Investment Plan (SIP) and Systematic Withdrawal Plan (SWP) • Direct vs. Regular Mutual Fund Plans Unit 6: Investor Profiling and Portfolio Construction • Identifying Investor Goals and Risk Appetite • Constructing Mutual Fund Portfolios for Different Investor Segments • Taxation of Mutual Funds – Equity vs. Debt Funds • Mutual Funds in Retirement Planning and Wealth Creation		
Module 4: Mutual Fund Regulations, Compliance, and Industry Trends		
Unit 7: Regulatory Framework and Compliance • SEBI Guidelines and Mutual Fund Governance • Mutual Fund KYC and Investor Protection Measures • Ethical Considerations in Mutual Fund Advisory • Mutual Fund Taxation and Its Implications Unit 8: Emerging Trends in Mutual Fund Industry (Basic) • Rise of Passive Investing and Exchange-Traded Funds (ETFs) • Role of Artificial Intelligence and Robo-Advisory in Mutual Funds • Impact of Market Trends and Economic Factors on Mutual Funds • Global Mutual Fund Trends and Future Outlook		
10	Reference Books: 1. Mutual Funds for Wealth Creation – Subodh Gupta 2. How to Make Money with Mutual Funds – Manoj Arora 3. The Big Bull of Dalal Street: How Rakesh Jhunjhunwala Made Money from Mutual Funds & Stocks – Neil Borate 4. Mutual Funds: A Powerful Investment Avenue for Wealth Creation – Ankit Gala & Jitendra Gala 5. Indian Mutual Funds Handbook – Sundar Sankaran	
11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Refer annexure :A	Refer annexure :B

QUESTION PAPER PATTERN (External and Internal)

The Internal continuous Assessment should be conducted after completing 20% of Syllabus of the course. All Assessment activities to be recorded and spread across semester

ANNEXTURE: A

Individual faculty member shall have the flexibility to design the continuous assessment for each course/s in a manner so as to evaluate students' capabilities across knowledge, skills and attitudes. Internal Assessment may be undertaken through any or combination of the methods stated below after obtaining due permission of Principal and remain same across that particular course and semester. Introduction of multiple activates among groups of students in same class may be encouraged for better exposure:

- **Class Test (Mandatory) with Objective questions** Class Test during the lectures (physical/online mode) MCQs/Match the pairs/Answer in one sentence etc.

Any two of following for each course & may be similar or different for different group of students in a class

- Essays / Tutorials
- Home assignments
- Library notes based on published research papers
- Report writings
- Practical Projects/ Practical activities /Group projects
- Reflective Practical assignments / Industry work / Field work
- Drawing Portfolios
- Oral examination
- Student's Seminar / Workshop / Exhibition
- Reviews / PPT presentation
- Problem solving Exercises
- Laboratory/Library Work
- Book reviews
- Case Study analysis
- Podcast/Blog writing /Video making e.g., Tips to become successful investor/satisfied customer, company profile, successful entrepreneur etc.

ANNEXTURE: B**Question Paper Pattern****Credit: 02 (Total 50 Marks)****External = 30 Marks****Duration: 1 Hr.**

Student has to attempt any two questions out of three.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)**External =60 Marks****Duration: 2 Hrs.**

Student has to attempt any four questions out of six.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.4	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.5	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.6	Answer the following(Theory/Practical Questions) A,B	15 Marks

Note

1. The Semester End Assessment should be conducted after completing 100% of syllabus of the course/s
2. The question papers shall be framed so as to ensure that no part of the syllabus is left out of study by a student.
3. The question paper shall be balanced in respect of various topics outlined in the syllabus.
4. Equal Weightage is to be given to all the modules
5. All questions shall carry equal marks with internal choice within the question
6. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
7. Use of simple calculator is allowed in the examination.
8. Wherever possible more importance is to be given to the practical problems/case study.

Syllabus
B.Com. (Investment Management)
(Sem.- III)

Title of Paper: DIRECT TAXATION FOR INVESTMENT MANAGEMENT

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	Taxation plays a critical role in investment decisions, financial planning, and wealth management. Understanding direct taxes is essential for professionals in investment management, as it affects capital gains, dividend taxation, and overall portfolio returns. This course provides students with comprehensive knowledge of direct tax laws, tax planning strategies, and their implications in investment decision-making.
2	Vertical :	Major
3	Type :	Theory (with Practical Illustrations)
4	Credit:	4 credits
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand the fundamental principles of direct taxation and its impact on investment management. 2. Analyze tax implications on different types of income and investments. 3. Apply tax planning strategies to optimize investment decisions. 4. Interpret and comply with relevant tax laws, including income tax and capital gains tax. 5. Develop problem-solving skills in taxation through case studies and real-world scenarios.	

8	Course Outcomes: Upon completing this course, students will be able to: 1. Demonstrate an understanding of direct taxation principles and legal provisions. 2. Apply tax planning techniques in investment decisions for wealth optimization. 3. Evaluate tax policies and their effects on financial markets and investment strategies. 4. Utilize tax compliance and filing procedures relevant to investors and businesses. 5. Integrate taxation knowledge with financial and portfolio management for strategic decision-making.
9	Modules:- Module 1: Fundamentals of Direct Taxation Unit 1: Introduction to Direct Taxes • Concept and Types of Taxes • Difference Between Direct and Indirect Taxes • Constitutional Framework of Taxation in India • Tax Authorities and Administration Unit 2: Income Tax Act, 1961 – Basic Concepts • Residential Status and Scope of Total Income • Heads of Income – Overview • Taxation of Individuals vs. Corporates • Exempted Incomes under Income Tax Act Module 2: Computation of Taxable Income Unit 3: Income from Salaries and House Property • Components of Salary Income and Taxable Perquisites • Deductions from Salary Income • Income from House Property – Tax Treatment • Computation of Taxable Income Unit 4: Income from Business, Profession, and Capital Gains • Tax Treatment of Business and Professional Income • Allowable Deductions and Disallowances • Capital Gains – Short-Term vs. Long-Term • Taxation of Securities Transactions Module 3: Tax Planning and Investment Decisions

Unit 5: Deductions and Exemptions in Investment Planning

- Section 80C to 80U Deductions
- Tax-Saving Investment Options – PPF, ELSS, NPS, etc.
- HUF and Trusts – Taxation Aspects
- Income Clubbing Provisions and Tax Avoidance

Unit 6: Tax Implications on Investment Instruments

- Taxation of Dividends and Interest Income
- Taxation of Mutual Funds and SIPs
- Double Taxation Avoidance Agreements (DTAA)
- Tax Planning Strategies for Investors

Module 4: Compliance, Filing, and Tax Reforms**Unit 7: Tax Compliance and Filing Procedures**

- Income Tax Returns – ITR Forms and E-Filing
- Advance Tax, TDS, and Self-Assessment Tax
- Penalties and Prosecution under IT Act
- Practical Case Studies on Tax Filing

Unit 8: Tax Reforms and Recent Developments

- GST vs. Direct Taxes – Implications for Investors
- Corporate Tax Reforms and Investment Impacts
- Digital Taxation and E-Governance Initiatives
- Budgetary Changes and Future Taxation Trends

10 Reference Books:

1. Taxation of Capital Gains – Ramesh S. Arunachalam
2. Income Tax Guide for Investors – Subhash Lakhota
3. Practical Approach to Direct Tax Laws and International Taxation – Girish Ahuja & Ravi Gupta
4. Tax Planning Through Investments – Nitin Vyakaranam
5. Handbook on Income Tax and Capital Market Transactions – Dalip Kumar

11 Internal Continuous Assessment: 40%**External, Semester End Examination
60% Individual Passing in Internal
and External Examination****12 Refer annexure :A****Refer annexure :B**

QUESTION PAPER PATTERN (External and Internal)

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Any two of following for each course & may be similar or different for different group of students in a class

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- Home assignments
- Library notes based on published research papers
- Report writings
- Practical Projects/ Practical activities /Group projects
- Reflective Practical assignments / Industry work / Field work
- Drawing Portfolios
- Oral examination
- Student's Seminar / Workshop / Exhibition
- Reviews / PPT presentation
- Problem solving Exercises
- Laboratory/Library Work
- Book reviews
- Case Study analysis
- Podcast/Blog writing /Video making e.g., Tips to become successful investor/satisfied customer, company profile, successful entrepreneur etc.

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Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)**External =60 Marks****Duration: 2 Hrs.**

Student has to attempt any four questions out of six.

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5. All questions shall carry equal marks with internal choice within the question
6. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
7. Use of simple calculator is allowed in the examination.
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Vertical - 4

VSC

Syllabus
B. Com. (Investment Management)
(Sem.- III)

Title of Paper: INVESTMENT LAWS AND REGULATORY FRAMEWORK

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	Investment laws play a crucial role in regulating financial markets, protecting investor interests, and ensuring transparency in investment activities. This course provides students with a fundamental understanding of the legal and regulatory frameworks governing investments, covering key laws, compliance requirements, and ethical considerations. The course prepares students to navigate legal challenges in investment management and comply with regulatory norms effectively.
2	Vertical :	VSC
3	Type :	Theory
4	Credit:	2 credits
5	Hours Allotted :	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand the significance of investment laws in financial markets. 2. Analyze key regulations governing different types of investments. 3. Identify the roles of regulatory bodies like SEBI, RBI, and IRDAI. 4. Interpret legal provisions related to investor protection and corporate governance. 5. Apply legal principles to ensure compliance in investment management.	

8	Course Outcomes: Upon successful completion of the course, students will be able to: • Interpret and apply key investment laws in financial decision-making. • Ensure compliance with regulatory guidelines in investment management. • Analyze legal risks associated with different investment products. • Understand investor protection rights and corporate governance principles. • Navigate ethical and legal challenges in investment practices
9	Modules:- Module 1: Legal Framework and Regulatory Authorities (important sections only) • Subunit 1.1: Introduction to Investment Laws ◦ Need and importance of investment laws ◦ Legal principles governing investments ◦ Overview of financial regulatory structure in India • Subunit 1.2: Regulatory Authorities and Their Roles ◦ Securities and Exchange Board of India (SEBI) regulations ◦ Reserve Bank of India (RBI) guidelines on investments ◦ Insurance Regulatory and Development Authority of India (IRDAI) and Pension Fund Regulatory and Development Authority (PFRDA) Module 2: Key Investment Laws and Compliance (important sections only) • Subunit 2.1: Major Investment Laws in India ◦ Securities Contracts (Regulation) Act, 1956 ◦ Companies Act, 2013 and its relevance to investments ◦ Prevention of Money Laundering Act (PMLA) and its impact on investments • Subunit 2.2: Investor Protection and Corporate Governance ◦ Provisions related to investor protection under SEBI regulations ◦ Corporate governance norms and ethical investment practices ◦ Dispute resolution mechanisms and penalties for non-compliance

10	Reference Books: 1. Legal Aspects of Banking and Investment Laws – Indian Institute of Banking & Finance (IIBF) 2. Securities Laws & Capital Markets – N.S. Zaveri 3. SEBI Act, Rules & Regulations – Taxmann 4. Investment Law and Financial Regulation in India – Sandeep Bhalla 5. Legal and Regulatory Aspects of Banking – IIBF	
11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Refer annexure :A	Refer annexure :B

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Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)**External =60 Marks****Duration: 2 Hrs.**

Student has to attempt any four questions out of six.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.4	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.5	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.6	Answer the following(Theory/Practical Questions) A,B	15 Marks

Note

1. The Semester End Assessment should be conducted after completing 100% of syllabus of the course/s
2. The question papers shall be framed so as to ensure that no part of the syllabus is left out of study by a student.
3. The question paper shall be balanced in respect of various topics outlined in the syllabus.
4. Equal Weightage is to be given to all the modules
5. All questions shall carry equal marks with internal choice within the question
6. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
7. Use of simple calculator is allowed in the examination.
8. Wherever possible more importance is to be given to the practical problems/case study.

Syllabus
B. Com. (Investment Management)
(Sem.- III)

Title of Paper: INCOME TAX RETURN (ITR) FILING

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	Income Tax Return (ITR) filing is a crucial compliance requirement for individuals and businesses. This course introduces students to the fundamental concepts, legal frameworks, and procedures for filing various ITR forms. It emphasizes practical applications, ensuring students develop the skills needed to assist in tax filing processes within the investment sectors.
2	Vertical :	VSC
3	Type :	Theory (with Practical Illustrations)
4	Credit:	2 credits
5	Hours Allotted :	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand the basics of income tax laws and return filing procedures. 2. Identify different types of ITR forms and their applicability. 3. Demonstrate proficiency in e-filing of returns using online portals. 4. Analyze tax-saving provisions and deductions under the Income Tax Act. 5. Apply taxation knowledge in investment and financial planning.	

8	Course Outcomes: Upon successful completion of the course, students will be able to: • Understand tax compliance and return filing procedures. • Assist individuals and businesses in choosing the right ITR forms. • Efficiently use online portals for e-filing and compliance tracking. • Recommend tax-saving strategies for clients in investment sector. • Develop practical expertise in taxation for future career prospects.
9	Modules:- Module 1: Fundamentals of ITR Filing • Unit 1: Introduction to Income Tax & Taxpayer Categories ◦ Basics of income tax ◦ Residential status and tax liability ◦ Overview of taxable income sources • Unit 2: Types of ITR Forms & Their Applicability ◦ ITR-1 to ITR-7: Who should file? ◦ Selection of the appropriate ITR form ◦ Common mistakes and consequences of incorrect filing Module 2: E-Filing & Tax Planning • unit 1: Online ITR Filing Process (old and new regime) ◦ Steps for e-filing on the Income Tax portal ◦ Documents required for filing ◦ Understanding Form 16, 26AS, AIS & TIS • unit 2: Tax Deductions, Exemptions & Compliance in investment sector ◦ Section 80C to 80U deductions ◦ Tax implications on various investment instruments ◦ Assessment, rectification & refund procedures
10	Reference Books: 1. How to File Income Tax Returns – Subhash Lakhotia 2. Master Guide to Income Tax Rules – Taxmann 3. Income Tax Planning and Return Filing – Ram Dutt Sharma 4. A to Z of Income Tax – R.N. Lakhotia & Subhash Lakhotia 5. Practical Guide to Income Tax & GST – CA G. Sekar

11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Refer annexure :A	Refer annexure :B

QUESTION PAPER PATTERN (External and Internal)

The Internal continuous Assessment should be conducted after completing 20% of Syllabus of the course. All Assessment activities to be recorded and spread across semester

ANNEXTURE: A

Individual faculty member shall have the flexibility to design the continuous assessment for each course/s in a manner so as to evaluate students' capabilities across knowledge, skills and attitudes. Internal Assessment may be undertaken through any or combination of the methods stated below after obtaining due permission of Principal and remain same across that particular course and semester. Introduction of multiple activates among groups of students in same class may be encouraged for better exposure:

- **Class Test (Mandatory) with Objective questions** Class Test during the lectures (physical/online mode)
MCQs/Match the pairs/Answer in one sentence etc.

Any two of following for each course & may be similar or different for different group of students in a class

- Essays / Tutorials
- Home assignments
- Library notes based on published research papers
- Report writings
- Practical Projects/ Practical activities /Group projects
- Reflective Practical assignments / Industry work / Field work
- Drawing Portfolios
- Oral examination
- Student's Seminar / Workshop / Exhibition
- Reviews / PPT presentation
- Problem solving Exercises
- Laboratory/Library Work
- Book reviews
- Case Study analysis
- Podcast/Blog writing /Video making e.g., Tips to become successful investor/satisfied customer, company profile, successful entrepreneur etc.

ANNEXTURE: B**Question Paper Pattern****Credit: 02 (Total 50 Marks)****External = 30 Marks****Duration: 1 Hr.**

Student has to attempt any two questions out of three.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)**External =60 Marks****Duration: 2 Hrs.**

Student has to attempt any four questions out of six.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.4	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.5	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.6	Answer the following(Theory/Practical Questions) A,B	15 Marks

Note

1. The Semester End Assessment should be conducted after completing 100% of syllabus of the course/s
2. The question papers shall be framed so as to ensure that no part of the syllabus is left out of study by a student.
3. The question paper shall be balanced in respect of various topics outlined in the syllabus.
4. Equal Weightage is to be given to all the modules
5. All questions shall carry equal marks with internal choice within the question
6. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
7. Use of simple calculator is allowed in the examination.
8. Wherever possible more importance is to be given to the practical problems/case study.

Sem. - IV

**Vertical – 1
Major**

Syllabus
B.Com. (Investment Management)
(Sem.- IV)

Title of Paper : DATA-DRIVEN INVESTMENT STRATEGY

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	In modern investment management, quantitative methods play a crucial role in financial decision-making, risk assessment, and portfolio optimization. This course equips students with essential statistical, mathematical, and analytical tools to interpret financial data, develop predictive models, and enhance investment strategies. The emphasis is on practical applications in financial markets, risk management, and portfolio analytics.
2	Vertical :	Major
3	Type :	Theory (with Practical Illustrations)
4	Credit:	4 credits
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand the fundamental principles of quantitative methods and their applications in investment management. 2. Apply statistical and mathematical techniques to analyze financial data. 3. Develop models for risk assessment, asset valuation, and portfolio management. 4. Use quantitative tools for decision-making in stock markets, derivatives, and fixed-income securities. 5. Interpret results from financial models and apply them to real-world investment scenarios.	

8	Course Outcomes: Upon completing this course, students will be able to: 1. Demonstrate proficiency in using statistical and mathematical techniques for financial analysis. 2. Apply quantitative tools to assess investment risks and returns. 3. Develop data-driven investment strategies based on market trends and economic indicators. 4. Utilize software tools and financial databases for quantitative research. 5. Integrate quantitative methods with fundamental and technical analysis in portfolio management.
9	Modules:- Module 1: Fundamentals of Quantitative Methods Unit 1: Introduction to Quantitative Methods • Importance of Quantitative Methods in Investment Management • Types of Data: Time Series, Cross-Sectional, Panel Data • Data Visualization Techniques for Financial Analysis • Introduction to Financial Modeling and Excel Tools Unit 2: Descriptive and Inferential Statistics • Measures of Central Tendency and Dispersion • Probability Distributions: Normal, Binomial, Poisson, Lognormal • Hypothesis Testing and Confidence Intervals • Correlation and Regression Analysis in Finance Module 2: Time Series Analysis and Forecasting Unit 3: Time Series Analysis for Financial Markets • Concepts of Stationarity and Random Walks • Moving Averages and Exponential Smoothing Techniques • Autoregressive (AR) and Moving Average (MA) Models • Application of Time Series Analysis in Stock Price Prediction Unit 4: Forecasting Models in Finance • ARIMA and GARCH Models for Volatility Forecasting • Monte Carlo Simulations for Investment Decision-Making • Economic Indicators and Macroeconomic Forecasting • Case Study: Predicting Stock Market Trends

Module 3: Quantitative Risk Management & Portfolio Optimization		
Unit 5: Risk Measurement and Management - Value at Risk (VaR) and Expected Shortfall (CVaR) - Portfolio Risk Metrics: Standard Deviation, Beta, Drawdowns - Hedging Techniques Using Derivatives (Futures & Options) - Scenario Analysis and Stress Testing Unit 6: Portfolio Optimization Techniques - Modern Portfolio Theory (MPT) and Efficient Frontier - Capital Asset Pricing Model (CAPM) and Factor Models - Mean-Variance Optimization and Sharpe Ratio Maximization - Black-Litterman Model for Portfolio Allocation		
Module 4: Machine Learning and Computational Finance		
Unit 7: Quantitative Trading and Algorithmic Strategies - Introduction to Algorithmic Trading and High-Frequency Trading - Statistical Arbitrage and Pairs Trading Strategies - Sentiment Analysis Using Text Mining in Finance - Backtesting and Performance Evaluation of Trading Models Unit 8: Emerging Trends in Quantitative Finance - Role of Artificial Intelligence and Machine Learning in Investments - Blockchain and Cryptocurrencies – Quantitative Perspectives - ESG Investing and Quantitative Methods for Sustainable Finance - Applications of Python, R, and MATLAB in Quantitative Finance		
10	Reference Books: - Investment Management – V.K. Bhalla - Quantitative Techniques for Investment Analysis – J.R. Varma - Investment Analysis and Portfolio Management – Prasanna Chandra - Quantitative Methods for Finance and Investments – Umesh Kumar - Financial Econometrics: Models and Methods – Chiranjit Mukhopadhyay	
11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Refer annexure :A	Refer annexure :B

QUESTION PAPER PATTERN

(External and Internal)

The Internal continuous Assessment should be conducted after completing 20% of Syllabus of the course. All Assessment activities to be recorded and spread across semester

ANNEXTURE: A

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- **Class Test (Mandatory) with Objective questions** Class Test during the lectures (physical/online mode)
MCQs/Match the pairs/Answer in one sentence etc.

Any two of following for each course & may be similar or different for different group of students in a class

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- Home assignments
- Library notes based on published research papers
- Report writings
- Practical Projects/ Practical activities /Group projects
- Reflective Practical assignments / Industry work / Field work
- Drawing Portfolios
- Oral examination
- Student's Seminar / Workshop / Exhibition
- Reviews / PPT presentation
- Problem solving Exercises
- Laboratory/Library Work
- Book reviews
- Case Study analysis
- Podcast/Blog writing /Video making e.g., Tips to become successful investor/satisfied customer, company profile, successful entrepreneur etc.

ANNEXTURE: B**Question Paper Pattern****Credit: 02 (Total 50 Marks)****External = 30 Marks****Duration: 1 Hr.**

Student has to attempt any two questions out of three.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)**External =60 Marks****Duration: 2 Hrs.**

Student has to attempt any four questions out of six.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.4	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.5	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.6	Answer the following(Theory/Practical Questions) A,B	15 Marks

Note

1. The Semester End Assessment should be conducted after completing 100% of syllabus of the course/s
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4. Equal Weightage is to be given to all the modules
5. All questions shall carry equal marks with internal choice within the question
6. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
7. Use of simple calculator is allowed in the examination.
8. Wherever possible more importance is to be given to the practical problems/case study.

Syllabus
B.Com. (Investment Management)
(Sem.- IV)

Title of Paper: SECURITY ANALYSIS & PORTFOLIO MANAGEMENT

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	In today's dynamic financial markets, investors need to assess securities and construct efficient portfolios to maximize returns while managing risks. This course equips students with the knowledge and analytical tools necessary to evaluate securities, apply investment theories, and optimize portfolios. By integrating fundamental and technical analysis with portfolio management techniques, students will gain practical insights into investment decision-making.
2	Vertical :	Major
3	Type :	Theory and Practical illustrations
4	Credit:	4 credits
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand the principles of security analysis and its role in investment decision-making. 2. Apply fundamental and technical analysis techniques to evaluate stocks and bonds. 3. Construct and manage investment portfolios using modern portfolio theories. 4. Assess risk-return trade-offs and develop strategies for portfolio optimization. 5. Interpret market trends, investment risks, and behavioral finance influences on portfolio decisions.	

8	Course Outcomes: Upon completing this course, students will be able to: 1. Demonstrate proficiency in security valuation techniques. 2. Analyze financial statements to assess company performance and investment potential. 3. Develop well-diversified investment portfolios based on risk tolerance and return expectations. 4. Utilize risk management strategies to mitigate portfolio volatility. 5. Integrate economic and behavioral factors into investment decision-making.
9	Modules:- Module 1: Introduction to Security Analysis Unit 1: Overview of Investment and Securities Markets • Investment vs. Speculation vs. Gambling • Types of Financial Securities: Equity, Debt, Derivatives • Functioning of Primary and Secondary Markets • Role of SEBI and Regulatory Framework • Portfolio Management – Meaning, Evolution, Phases, Role of Portfolio Managers, Advantages of Portfolio Management. Unit 2: Fundamental Analysis for Security Selection • Economic, Industry, and Company Analysis (EIC Approach) • Financial Statement Analysis – Ratio Analysis, Earnings Models • Valuation Methods: Discounted Cash Flow (DCF), Price-to-Earnings (P/E) Ratio, Dividend Discount Model Module 2: Technical Analysis and Behavioral Aspects Unit 3: Technical Analysis and Market Indicators (Basic) • Dow Theory • Charting Techniques: Line, Bar, Candlestick Charts • Technical Indicators: Moving Averages, RSI, MACD, Bollinger Bands Unit 4: Behavioral Finance and Market Anomalies • Investor Psychology and Behavioral Biases • Heuristics, Overconfidence, and Loss Aversion • Market Anomalies and Bubbles • Impact of Behavioral Finance on Investment Decisions Module 3: Portfolio Management Strategies

Unit 5: Portfolio Theory and Construction(Basic)

- Risk-Return Tradeoff and Diversification
- Modern Portfolio Theory (MPT)
- Capital Asset Pricing Model (CAPM) and Arbitrage Pricing Theory (APT)
- Asset Allocation Strategies for Different Risk Profiles

Unit 6: Portfolio Performance Evaluation

- Measuring Portfolio Risk and Return
- Sharpe Ratio, Treynor Ratio, Jensen's Alpha
- Active vs. Passive Portfolio Management Strategies
- Mutual Funds and ETF Portfolio Strategies

Module 4: Risk Management and Emerging Trends in Investment**Unit 7: Risk Management in Investments**

- Types of Investment Risks: Market Risk, Credit Risk, Liquidity Risk
- Hedging Strategies Using Derivatives: Futures, Options, Swaps
- Value at Risk (VaR) and Stress Testing
- Risk Mitigation Techniques in Portfolio Management

Unit 8: Emerging Trends and Innovations in Portfolio Management(Basic)

- Role of Artificial Intelligence and Big Data in Security Analysis
- ESG (Environmental, Social, Governance) Investing and Impact Investing
- Alternative Investments: Cryptocurrencies, REITs, Hedge Funds
- Global Investment Trends and Future of Portfolio Management

10 Reference Books:

1. Security Analysis and Portfolio Management – Prasanna Chandra
2. Investment Analysis and Portfolio Management – M. Ranganatham & R. Madhumathi
3. Security Analysis and Portfolio Management – Punithavathy Pandian
4. Fundamentals of Investment Management – Preeti Singh
5. Portfolio Management: Theory and Practice – S. Kevin

11 Internal Continuous Assessment: 40%**External, Semester End Examination
60% Individual Passing in Internal
and External Examination****12 Refer annexure :A****Refer annexure :B**

QUESTION PAPER PATTERN (External and Internal)

The Internal continuous Assessment should be conducted after completing 20% of Syllabus of the course. All Assessment activities to be recorded and spread across semester

ANNEXTURE: A

Individual faculty member shall have the flexibility to design the continuous assessment for each course/s in a manner so as to evaluate students' capabilities across knowledge, skills and attitudes. Internal Assessment may be undertaken through any or combination of the methods stated below after obtaining due permission of Principal and remain same across that particular course and semester. Introduction of multiple activates among groups of students in same class may be encouraged for better exposure:

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MCQs/Match the pairs/Answer in one sentence etc.

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- Home assignments
- Library notes based on published research papers
- Report writings
- Practical Projects/ Practical activities /Group projects
- Reflective Practical assignments / Industry work / Field work
- Drawing Portfolios
- Oral examination
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- Book reviews
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ANNEXTURE: B**Question Paper Pattern****Credit: 02 (Total 50 Marks)****External = 30 Marks****Duration: 1 Hr.**

Student has to attempt any two questions out of three.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)**External =60 Marks****Duration: 2 Hrs.**

Student has to attempt any four questions out of six.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.4	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.5	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.6	Answer the following(Theory/Practical Questions) A,B	15 Marks

Note

1. The Semester End Assessment should be conducted after completing 100% of syllabus of the course/s
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3. The question paper shall be balanced in respect of various topics outlined in the syllabus.
4. Equal Weightage is to be given to all the modules
5. All questions shall carry equal marks with internal choice within the question
6. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
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8. Wherever possible more importance is to be given to the practical problems/case study.

Vertical - 4

SEC

Syllabus
B. Com. (Investment Management)
(Sem.- IV)

Title of Paper: INFORMATION TECHNOLOGY DRIVEN INVESTMENT MANAGEMENT

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	The integration of Information Technology (IT) in investment management has transformed financial decision-making, portfolio management, and risk assessment. This course introduces students to the role of IT in investments, covering digital trading platforms, algorithmic trading, blockchain technology, and data analytics in financial markets. It equips students with the technical skills and knowledge needed to leverage technology for efficient investment strategies.
2	Vertical :	VSC
3	Type :	Theory (with Practical Illustrations)
4	Credit:	2 credits
5	Hours Allotted :	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand the role of IT in modern investment management. 2. Analyze the impact of algorithmic trading and robo-advisory services. 3. Explore blockchain and fintech innovations in investments. 4. Utilize data analytics for investment decision-making. 5. Assess cybersecurity risks and compliance in digital investments.	

8	Course Outcomes: Upon successful completion of the course, students will be able to: 1. Apply IT solutions to investment decision-making and portfolio management. 2. Utilize algorithmic trading tools and robo-advisors effectively. 3. Understand the impact of blockchain and cryptocurrencies on investments. 4. Use data analytics for market analysis and risk assessment. 5. Identify cybersecurity risks and ensure compliance in digital investments.
9	Modules:- Module 1: Digital Transformation in Investment Management • Unit 1: IT Applications in Investment Management ◦ Evolution of technology in finance ◦ Role of IT in stock markets, mutual funds, and wealth management ◦ Fintech innovations and investment platforms • Unit 2: Algorithmic Trading and Robo-Advisory Services ◦ Basics of algorithmic and high-frequency trading ◦ AI-driven investment strategies ◦ Role of robo-advisors in portfolio management Module 2: Blockchain, Data Analytics, and Cybersecurity in Investments • Unit 1: Blockchain and Cryptocurrencies in Investment ◦ Introduction to blockchain technology ◦ Cryptocurrencies and decentralized finance (DeFi) ◦ Smart contracts in investment management • Unit 2: Data Analytics and Cybersecurity in Investments ◦ Role of big data and predictive analytics in investments ◦ Cybersecurity risks in digital investment platforms ◦ Regulatory compliance in IT-driven investments
10	Reference Books: 1. Financial Markets, Institutions & Financial Services – Clifford Gomez (covers IT in investment services) 2. FinTech: The Technology Driving Disruption in the Financial Services Industry – Abhijit Chavda 3. Algorithmic Trading and DMA: An Introduction to Direct Access Trading Strategies – Rajib Ranjan Borah 4. Blockchain, FinTech, and Investment Management – Seema Gupta 5. Artificial Intelligence in Financial Services and Investment Management – Rohit Sharma

11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Refer annexure :A	Refer annexure :B

QUESTION PAPER PATTERN (External and Internal)

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MCQs/Match the pairs/Answer in one sentence etc.

Any two of following for each course & may be similar or different for different group of students in a class

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- Home assignments
- Library notes based on published research papers
- Report writings
- Practical Projects/ Practical activities /Group projects
- Reflective Practical assignments / Industry work / Field work
- Drawing Portfolios
- Oral examination
- Student's Seminar / Workshop / Exhibition
- Reviews / PPT presentation
- Problem solving Exercises
- Laboratory/Library Work
- Book reviews
- Case Study analysis
- Podcast/Blog writing /Video making e.g., Tips to become successful investor/satisfied customer, company profile, successful entrepreneur etc.

ANNEXTURE: B

Question Paper Pattern

Credit: 02 (Total 50 Marks)

External = 30 Marks

Duration: 1 Hr.

Student has to attempt any two questions out of three.

Q.1	Answer the following(Theory/Practical Questions)	15 Marks
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	A,B	
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)

External =60 Marks

Duration: 2 Hrs.

Student has to attempt any four questions out of six.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.4	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.5	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.6	Answer the following(Theory/Practical Questions) A,B	15 Marks

Note

1. The Semester End Assessment should be conducted after completing 100% of syllabus of the course/s
2. The question papers shall be framed so as to ensure that no part of the syllabus is left out of study by a student.
3. The question paper shall be balanced in respect of various topics outlined in the syllabus.
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5. All questions shall carry equal marks with internal choice within the question
6. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
7. Use of simple calculator is allowed in the examination.
8. Wherever possible more importance is to be given to the practical problems/case study.

Syllabus
B. Com. (Investment Management)
(Sem.- IV)

Title of Paper: KYC DOCUMENTATION AND COMPLIANCE IN INVESTMENT SECTOR

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	Know Your Customer (KYC) documentation is a critical regulatory requirement in investment sector to prevent financial fraud, money laundering, and identity theft. This course provides a comprehensive understanding of KYC norms, legal frameworks, and compliance procedures, equipping students with essential skills to manage customer verification processes in financial institutions.
2	Vertical :	VSC
3	Type :	Theory (with Practical Illustrations)
4	Credit:	2 credits
5	Hours Allotted :	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives: By the end of the course, students will be able to: 1. Understand the concept and importance of KYC in investment sector. 2. Identify different types of KYC documents required for individuals and businesses. 3. Comprehend legal and regulatory requirements, including AML (Anti-Money Laundering) and CFT (Combating the Financing of Terrorism) guidelines. 4. Analyze the role of technology in KYC verification and fraud detection. 5. Apply KYC principles in customer onboarding and risk assessment processes.	

8	Course Outcomes: Upon successful completion of the course, students will be able to: 1. Understand and apply KYC norms in investment sector sectors. 2. Identify appropriate KYC documents for different customer categories. 3. Ensure compliance with legal and regulatory requirements. 4. Utilize digital KYC tools for efficient customer verification. 5. Analyze risk factors and contribute to fraud prevention measures.
9	Modules:- Module 1: Fundamentals of KYC & Regulatory Framework • Unit 1: Introduction to KYC and Customer Due Diligence (CDD) ○ Definition, objectives, and significance of KYC ○ Customer identification and verification process ○ Role of KYC in financial fraud prevention • Unit 2: Regulatory Guidelines & Legal Framework ○ RBI, SEBI, IRDAI, and FIU-IND guidelines on KYC ○ AML and CFT regulations ○ Penalties for non-compliance and regulatory actions Module 2: Practical Applications & Emerging Trends in KYC • unit 1: Types of KYC & Documentation Requirements ○ KYC for individuals vs. businesses (PAN, Aadhaar, Voter ID, GSTIN, etc.) ○ CKYC (Central KYC) and Digital KYC processes ○ Re-KYC and periodic updates • unit 2: Technology in KYC & Fraud Prevention ○ Role of AI, machine learning, and blockchain in KYC ○ e-KYC and Aadhaar-based authentication ○ Risk-based KYC approach and fraud detection techniques
10	Reference Books: 1. Know Your Customer (KYC) and Anti-Money Laundering (AML) Guidelines in Financial Services – Indian Institute of Banking & Finance (IIBF) 2. Anti-Money Laundering and Know Your Customer Compliance – R. K. Gupta 3. Financial Compliance: Anti-Money Laundering and KYC – N.S. Toor 4. Regulatory Compliance in Financial Services – Suresh Kumar 5. Risk, Compliance and Governance in Financial Institutions – G. Suresh Babu

11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
13	Refer annexure :A	Refer annexure :B

QUESTION PAPER PATTERN (External and Internal)

The Internal continuous Assessment should be conducted after completing 20% of Syllabus of the course. All Assessment activities to be recorded and spread across semester

ANNEXTURE: A

Individual faculty member shall have the flexibility to design the continuous assessment for each course/s in a manner so as to evaluate students' capabilities across knowledge, skills and attitudes. Internal Assessment may be undertaken through any or combination of the methods stated below after obtaining due permission of Principal and remain same across that particular course and semester. Introduction of multiple activates among groups of students in same class may be encouraged for better exposure:

- **Class Test (Mandatory) with Objective questions** Class Test during the lectures (physical/online mode)
MCQs/Match the pairs/Answer in one sentence etc.

Any two of following for each course & may be similar or different for different group of students in a class

- Essays / Tutorials
- Home assignments
- Library notes based on published research papers
- Report writings
- Practical Projects/ Practical activities /Group projects
- Reflective Practical assignments / Industry work / Field work
- Drawing Portfolios
- Oral examination
- Student's Seminar / Workshop / Exhibition
- Reviews / PPT presentation
- Problem solving Exercises
- Laboratory/Library Work
- Book reviews
- Case Study analysis
- Podcast/Blog writing /Video making e.g., Tips to become successful investor/satisfied customer, company profile, successful entrepreneur etc.

ANNEXTURE: B**Question Paper Pattern****Credit: 02 (Total 50 Marks)****External = 30 Marks****Duration: 1 Hr.**

Student has to attempt any two questions out of three.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)**External =60 Marks****Duration: 2 Hrs.**

Student has to attempt any four questions out of six.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.4	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.5	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.6	Answer the following(Theory/Practical Questions) A,B	15 Marks

Note

9. The Semester End Assessment should be conducted after completing 100% of syllabus of the course/s
10. The question papers shall be framed so as to ensure that no part of the syllabus is left out of study by a student.
11. The question paper shall be balanced in respect of various topics outlined in the syllabus.
12. Equal Weightage is to be given to all the modules
13. All questions shall carry equal marks with internal choice within the question
14. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
15. Use of simple calculator is allowed in the examination.
16. Wherever possible more importance is to be given to the practical problems/case study.

Guidelines for Case Study Analysis

1. Use the representation of real situations; avoid presenting situations that do not exist/ are not plausible in real life
2. Make sure that the description of the case is as clear and specific as possible
3. Make sure there is sufficient information on the content and the context of the case ask students interpretative and application questions
4. Questions need to be devised to assess the interpretation and application of knowledge, comprehension skills, and critical thinking skills
5. Devise clear and unambiguous questions to limit student confusion and time spent interpreting the question like suggest suitable title, offers a summary, explaining the scenario in detail, Problem/ issue presented in the scenario, suggest Solution/chosen course of action etc.
6. Maximum words for case study (Approx. 500-700 words) and followed by number of questions will depend on marks (3/4 marks each).

Passing Standard

Credit: 02 (Total 50 Marks)

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e., 08 out of 20) in the Internal Assessment and 40% marks in Semester End Examination (i.e., 12 Out of 30) separately, to pass the course and minimum of Grade E to pass a particular semester A learner will be said to have passed the course if the learner passes separately the Internal Assessment as well as Semester End Examination.

Credit: 04 (Total 100 Marks)

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e., 16 out of 40) in the Internal Assessment and 40% marks in Semester End Examination (i.e., 24 Out of 60) separately, to pass the course and minimum of Grade E to pass a particular semester A learner will be said to have passed the course if the learner passes separately the Internal Assessment as well as Semester End Examination.

Letter Grades and Grade Points:

Semester GPA/ Programme CGPA Semester/ Programme	% of Marks	Alpha-Sign/ Letter Grade Result	Grading Point
9.00 - 10.00	90.0 - 100	O (Outstanding)	10
8.00 - < 9.00	80.0 - < 90.0	A+ (Excellent)	9
7.00 - < 8.00	70.0 - < 80.0	A (Very Good)	8
6.00 - < 7.00	60.0 - < 70.0	B+ (Good)	7
5.50 - < 6.00	55.0 - < 60.0	B (Above Average)	6
5.00 - < 5.50	50.0 - < 55.0	C (Average)	5
4.00 - < 5.00	40.0 - < 50.0	P (Pass)	4
Below 4.00	Below 40.0	F (Fail)	0
Ab (Absent)	-	Ab (Absent)	0

Sd/-
Sign of the BOS
Chairman
Dr. Sunil Karve
Board of Studies
in BBI & BIM

Sd/-
Sign of the
Offg. Associate Dean
Prin. Kishori Bhagat
Faculty of Commerce
& Management

Sd/-
Sign of the
Offg. Associate Dean
Prof. Kavita Laghate
Faculty of Commerce
& Management

Sd/-
Sign of the
Offg. Dean
Prin. Ravindra
Bambardekar
Faculty of Commerce
& Management

As Per NEP 2020

University of Mumbai



Syllabus for Minor Vertical 2

Faculty of Commerce and Management

Board of Studies in Banking and Insurance

Second Year Programme in Minor (Banking and Insurance)

Semester	III & IV	
Title of Paper	Sem.	Total Credits
E-Commerce I: Digital Banking and Insurance Services	III	4
Title of Paper		Credits
E-Commerce II: Marketing and CRM in Banking and Insurance	IV	4
From the Academic Year		2025-26

Sem. - III

Syllabus
B.Com. (Banking and Insurance)
(Sem.- III)

Title of Paper: E-Commerce I: Digital Banking and Insurance Services

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	This course examines the integration of digital technologies in banking and insurance. It provides students with in-depth knowledge of how financial services are delivered online, the systems that support them, and the associated regulatory and cybersecurity requirements. It focuses on digital banking operations, e-insurance platforms, customer servicing, digital payment systems, fraud prevention, and risk management practices.
2	Vertical :	Minor
3	Type :	Theory
4	Credit:	4 credits
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand digital ecosystems in banking and insurance. 2. Gain familiarity with the technology infrastructure supporting online financial services. 3. Evaluate different digital payment modes and related compliance norms. 4. Understand the customer journey, on boarding, and servicing in digital environments. 5. Identify risks in digital financial systems and approaches to mitigate them.	

8**Course Outcomes:**

Upon successful completion of the course, students will be able to:

1. Define and explain digital banking and insurance processes and platforms.
2. Differentiate between types of digital payments and assess their applications.
3. Analyze real-life scenarios in digital banking/insurance using regulatory guidelines.
4. Recognize and explain cybersecurity threats and compliance practices.
5. Apply knowledge through case-based projects or simulations related to digital BFSI services.

9**Modules:-****Module 1: Introduction to Digital Financial Services****Unit 1: Evolution of E-Commerce in Financial Services**

- Discuss the historical context of banking and insurance services.
- Introduce how internet and mobile technologies reshaped service delivery.
- Compare traditional vs. digital service models.
- Case examples: HDFC Net Banking, LIC's e-services, Paytm Insurance.

Unit 2: Digital Banking Infrastructure

- Explain the components of Core Banking Solutions (CBS).
- Demonstrate how APIs enable third-party integration (FinTechs, BNPL services).
- Walk through mobile banking interfaces and functionalities.
- Explore cloud computing, blockchain basics, and data management in digital finance.

Examples: YONO by SBI, ICICI iMobile, Razorpay's banking API use cases.

Module 2: Digital Payment Systems**Unit 1: Types of Digital Payments**

- Provide a breakdown of digital payment types:
 - NEFT, RTGS, IMPS
 - UPI and BHIM
 - E-Wallets (Paytm, PhonePe, Google Pay)
- POS transactions, QR codes, and contactless payments.
- Assign activities like payment flow diagram and transaction tracking.

Practical Element: Have students simulate sending money using UPI mock app screenshots.

Unit 2: Regulatory Framework and Compliance

- Discuss RBI's role and guidelines in digital payments.
- Explain Know Your Customer (KYC) and e-KYC processes.
- Highlight consumer protection rules, data protection laws, and IT Act provisions.

- Emphasize importance of GDPR, digital consent, and grievance redressal.

Case study: Failure of KYC compliance leading to penalties on digital wallets.

Module 3: Online Insurance Services

Unit 1: E-Insurance Platforms

- Structure of online insurance aggregators (Policybazaar, Coverfox).
- Types of policies available digitally: life, health, motor, term.
- Online premium calculation, comparison tools, and policy customization.
- Discuss IRDAI's guidelines for online insurance distribution.

Activity: Students explore a real insurance portal and present its features.

Unit 2: Customer Onboarding and Servicing

- Discuss online KYC, digital verification, and biometric integration.
- Role of AI in chatbots (e.g., LIC Mitra), service automation.
- Explain the digital claim process, submission of documents online, and turnaround time.
- Map full customer journey: on boarding → servicing → claims → renewal.

Module 4: Cybersecurity and Risk in Digital Finance

Unit 1: Cyber Threats and Fraud in BFSI

- Explain phishing, vishing, malware, ransomware, account takeovers.
- Present real cases of cyber fraud in Indian banks.
- Introduce fraud detection tools used by banks.
- Emphasize employee training and customer education.

Interactive Session: Identify phishing emails, create awareness posters.

Unit 2: Risk Management and Customer Protection

- Describe encryption, multi-factor authentication, firewalls.
- RBI's Cybersecurity Framework for Banks (2016), IT Risk Management Guidelines.
- IRDAI's cyber risk control expectations.
- Practical risk mitigation in digital platforms (insurance and banking apps).

Example: Discuss how an app like Kotak 811 ensures transaction safety.

10	Reference Books: 1. Scardovi, Claudio. Digital Banking and Fintech: Strategic Choices and Business Models 2. M.N. Mishra. Principles and Practice of Insurance 3. Kalakota, Ravi & Whinston, Andrew. Electronic Commerce: A Manager's Guide 4. Kochhar, Sameer. Speeding Financial Inclusion through Digital Banking 5. RBI & IRDAI Websites – Circulars, Reports, Cybersecurity Frameworks 6. Industry portals: npci.org.in (for UPI), policybazaar.com, paytm.com	
11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Continuous Evaluation through: Ref ANNEXTURE: A	Ref ANNEXTURE: B

Sem. - IV

Syllabus
B.Com. (Banking and Insurance)
(Sem.- IV)

Title of Paper: E-Commerce II: Marketing and CRM in Banking and Insurance

Sr. No.	Heading	Particulars
1	Description the course : Including but Not limited to :	This course focuses on the role of e-commerce in transforming marketing strategies and customer relationship management (CRM) in banking and insurance sectors. Students will explore how digital tools are used to attract, engage, and retain customers. The course also covers personalized financial marketing, CRM platforms, customer journey analytics, and data-driven decision-making tailored to financial services.
2	Vertical :	Minor
3	Type :	Theory
4	Credit:	4 credits
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: By the end of this course, students will be able to: 1. Understand the application of digital marketing strategies in banking and insurance. 2. Analyze how e-commerce platforms influence customer outreach and engagement. 3. Evaluate the use of CRM systems in managing customer relationships and service quality. 4. Apply knowledge of analytics and automation tools to marketing and CRM decisions. 5. Understand compliance, privacy, and ethical considerations in customer data management.	

8	Course Outcomes: Upon successful completion of the course, students will be able to: 1. Develop marketing strategies suited for digital financial services. 2. Identify key digital channels used in banking and insurance marketing. 3. Analyze CRM workflows and apply them to customer lifecycle management. 4. Use customer data insights for improving financial service delivery. 5. Evaluate legal and ethical aspects of digital marketing and CRM.
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9	Modules:-
	Module 1: Digital Marketing in Financial Services
	Unit 1: Fundamentals of E-Marketing in BFSI • Definition and scope of digital marketing in banking and insurance • Traditional vs. digital marketing models • Changing customer behavior in digital environments • Key performance indicators (KPIs) in digital campaigns Activities: • Comparative analysis of email and SMS marketing campaigns • Study digital outreach strategies by banks (e.g., HDFC, SBI, ICICI) Unit 2: Digital Marketing Tools and Platforms • Search Engine Optimization (SEO), Google Ads for banking keywords • Content marketing for insurance (infographics, blogs, FAQs) • Email marketing, WhatsApp campaigns • Social media marketing strategies (LinkedIn for insurance, Instagram for youth banking)
	Module 2: Customer Journey and Digital Engagement
	Unit 1: Customer Lifecycle in BFSI • Stages: Awareness → Consideration → Purchase → Retention → Advocacy • Mapping customer touchpoints in digital banking and insurance • Tools for onboarding (chatbots, video KYC, lead magnets) • Importance of seamless omnichannel experience

Exercise:

- Students create a sample digital journey map for a savings account or term insurance buyer

Unit 2: Personalization and Customer Experience (CX)

- Basics of personalization: dynamic content, offers, reminders
- Real-time engagement using AI/ML (e.g., chat-based support, upselling)
- Use of personalization in loan products, insurance renewals
- Experience design: app UI/UX in banks and insurance apps

- Compare customer engagement of ICICI vs. Paytm Insurance

Module 3: CRM in Banking and Insurance

Unit 1: CRM Concepts and Architecture

- What is CRM? Types: Operational, Analytical, Collaborative
- CRM objectives in BFSI: retention, cross-sell, complaints management
- Core CRM components: lead management, service automation, dashboards
- CRM software examples: Salesforce, Zoho CRM, Freshsales

Unit 2: CRM Strategy and Implementation

- Steps in CRM implementation in banks and insurers
- Data capture, segmentation, lead scoring
- CRM for renewal reminders, claims follow-up, and NPA prevention
- CRM case studies from Indian BFSI sector

Module 4: Data Analytics, Privacy, and Compliance

Unit 1: Customer Data and Marketing Analytics

- What is customer data? First-party vs third-party
- Campaign tracking and performance reports
- Basics of customer segmentation and targeting
- Predictive analytics for credit scores and policy risk

Unit 2: Legal and Ethical Use of Customer Data

- RBI and IRDAI guidelines on customer communication
- IT Act 2000, Data Protection Bill (India), GDPR overview
- Customer consent, opt-in/opt-out policies
- Ethical considerations in retargeting and personalization

- Data breach example from banking or insurance

10	Reference Books: 1. Dr. Rakesh Mohan Joshi – International Marketing (covers financial and e-marketing principles relevant to BFSI) 2. Seema Gupta – Digital Marketing (McGraw Hill Education, India) 3. Dr. S. Shajahan – Relationship Marketing (focused on CRM concepts, Indian banking relevance) 4. Dr. R. Srinivasan – Services Marketing: The Indian Context (includes banking and insurance case studies) 5. Dr. K. Karunakaran – Marketing Management (Indian approach to segmentation, CRM, and digital channels) 6. RBI Publications – Reports on Trends and Progress of Banking in India 7. IRDAI Annual Reports and Consumer Affairs Guidelines 8. TRAI Reports – Regulations on SMS/Telemarketing in Financial Services 9. Ministry of Electronics and IT (MeitY) – India’s Personal Data Protection Bill (latest draft)	
11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Continuous Evaluation through: Ref ANNEXTURE: A	Ref ANNEXTURE: B

QUESTION PAPER PATTERN

(External and Internal)

The Internal continuous Assessment should be conducted after completing 20% of Syllabus of the course. All Assessment activities to be recorded and spread across semester

ANNEXTURE: A

Individual faculty member shall have the flexibility to design the continuous assessment for each course/s in a manner so as to evaluate students' capabilities across knowledge, skills and attitudes. Internal Assessment may be undertaken through any or combination of the methods stated below after obtaining due permission of Principal and remain same across that particular course and semester. Introduction of multiple activates among groups of students in same class may be encouraged for better exposure:

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MCQs/Match the pairs/Answer in one sentence etc.

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- Oral examination
- Student's Seminar / Workshop / Exhibition
- Reviews / PPT presentation
- Problem solving Exercises
- Laboratory/Library Work
- Book reviews
- Case Study analysis
- Podcast/Blog writing /Video making e.g., Tips to become successful investor/satisfied customer, company profile, successful entrepreneur etc.

ANNEXTURE: B**Question Paper Pattern****Credit: 02 (Total 50 Marks)****External = 30 Marks****Duration: 1 Hr.**

Student has to attempt any two questions out of three.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks

Credit: 04 (Total 100 Marks)**External =60 Marks****Duration: 2 Hrs.**

Student has to attempt any four questions out of six.

Q.1	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.2	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.3	Answer the following(Theory/Practical Questions) A,B	15 Marks
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Q.5	Answer the following(Theory/Practical Questions) A,B	15 Marks
Q.6	Answer the following(Theory/Practical Questions) A,B	15 Marks

Note

1. The Semester End Assessment should be conducted after completing 100% of syllabus of the course/s
2. The question papers shall be framed so as to ensure that no part of the syllabus is left out of study by a student.
3. The question paper shall be balanced in respect of various topics outlined in the syllabus.
4. Equal Weightage is to be given to all the modules
5. All questions shall carry equal marks with internal choice within the question
6. 15 marks question must be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given wherever necessary.
7. Use of simple calculator is allowed in the examination.
8. Wherever possible more importance is to be given to the practical problems/case study.

Guidelines for Case Study Analysis

1. Use the representation of real situations; avoid presenting situations that do not exist/ are not plausible in real life
2. Make sure that the description of the case is as clear and specific as possible
3. Make sure there is sufficient information on the content and the context of the case ask students interpretative and application questions
4. Questions need to be devised to assess the interpretation and application of knowledge, comprehension skills, and critical thinking skills
5. Devise clear and unambiguous questions to limit student confusion and time spent interpreting the question like suggest suitable title, offers a summary, explaining the scenario in detail, Problem/ issue presented in the scenario, suggest Solution/chosen course of action etc.
6. Maximum words for case study (Approx. 500-700 words) and followed by number of questions will depend on marks (3/4 marks each).

Passing Standard

Credit: 02 (Total 50 Marks)

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e., 08 out of 20) in the Internal Assessment and 40% marks in Semester End Examination (i.e., 12 Out of 30) separately, to pass the course and minimum of Grade E to pass a particular semester A learner will be said to have passed the course if the learner passes separately the Internal Assessment as well as Semester End Examination.

Credit: 04 (Total 100 Marks)

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e., 16 out of 40) in the Internal Assessment and 40% marks in Semester End Examination (i.e., 24 Out of 60) separately, to pass the course and minimum of Grade E to pass a particular semester A learner will be said to have passed the course if the learner passes separately the Internal Assessment as well as Semester End Examination.

Letter Grades and Grade Points:

Semester GPA/ Programme CGPA Semester/ Programme	% of Marks	Alpha-Sign/ Letter Grade Result	Grading Point
9.00 - 10.00	90.0 - 100	O (Outstanding)	10
8.00 - < 9.00	80.0 - < 90.0	A+ (Excellent)	9
7.00 - < 8.00	70.0 - < 80.0	A (Very Good)	8
6.00 - < 7.00	60.0 - < 70.0	B+ (Good)	7
5.50 - < 6.00	55.0 - < 60.0	B (Above Average)	6
5.00 - < 5.50	50.0 - < 55.0	C (Average)	5
4.00 - < 5.00	40.0 - < 50.0	P (Pass)	4
Below 4.00	Below 40.0	F (Fail)	0
Ab (Absent)	-	Ab (Absent)	0

Sd/-

Sign of the BOS
Chairman
Dr. Sunil Karve
Board of Studies
in BBI & BIM

Sd/-

Sign of the
Offg. Associate Dean
Prin. Kishori Bhagat
Faculty of Commerce
& Management

Sd/-

Sign of the
Offg. Associate Dean
Prof. Kavita Laghate
Faculty of Commerce
& Management

Sd/-

Sign of the
Offg. Dean
Prin. Ravindra Bambardekar
Faculty of Commerce &
Management

AC – 20/05/2025
Item No. – 6.18 (N) (2a) Sem. III

As Per NEP 2020

University of Mumbai



Syllabus for Basket of OE	
Faculty of Science	
Board of Studies in Computer Science	
UG Second Year Programme	
Semester	III
Title of Paper	Credits 2
I) Cyber & Digital Safety	2
From the Academic Year	2025 – 2026

Name of the Course: Cyber & Digital Safety

Sr. No.	Heading	Particulars
1	Description the course:	Introduction: With the rapid rise in digital connectivity, individuals are increasingly vulnerable to online threats. This course introduces students to essential concepts of digital safety, privacy, and responsible online behavior. It provides practical knowledge to protect personal data, secure digital devices, and navigate the internet safely. Relevance: In today's digital age, everyone is a digital citizen. Whether you're a student, professional, or homemaker, digital safety is vital for safeguarding identity, finances, and mental well-being. This course addresses the urgent need to educate individuals in navigating online spaces securely. Usefulness: The course empowers learners with practical knowledge on how to stay safe online—be it managing privacy settings on social media, identifying phishing emails, or using strong passwords. These skills are useful in daily digital activities across personal, academic, and professional spaces. Application: Students can immediately apply the concepts learned—from using secure Wi-Fi and avoiding fake news to setting up two-factor authentication and protecting children's online experiences. It also helps in developing a safety-first approach to technology use. Interest: This course connects to the everyday digital life of learners—making it highly relatable. It explores topics like deepfakes, social media responsibility, digital detox, and cyberbullying, which resonate with students from all disciplines and age groups. Connection with Other Courses: While not technical, this course complements subjects in Media Studies, Psychology, Communication, Law, and even Business. It strengthens digital literacy, a valuable

		soft skill, and supports courses related to digital ethics, digital marketing, and online communication. Demand in the Industry: Digital awareness is considered a critical life skill by employers. Companies value employees who understand safe digital practices, especially in remote and hybrid work environments. With increasing data breaches and cybercrime, demand for digitally responsible professionals is rising. Job Prospects: Although not a technical specialization, this course adds weight to any resume by demonstrating digital literacy. It prepares students for roles in education, administration, customer service, journalism, HR, and more—where safe technology use is expected and respected.
2	Vertical:	Open Elective
3	Type:	Theory
4	Credits:	2 credits
5	Hours Allotted:	30 hours
6	Marks Allotted:	50 Marks
7	Course Objectives (CO): CO 1. To introduce the foundational concepts of cyber safety and digital privacy. CO 2. To create awareness of common online threats and best practices for digital hygiene. CO 3. To equip students with skills for safe usage of social media, devices, and the internet. CO 4. To develop a mindset for ethical digital behavior and responsible technology use. CO 5. To explore emerging cyber risks including AI, deepfakes, and the role of legislation.	
8	Course Outcomes (OC): After successful completion of this course, students would be able to - OC 1. Understand key concepts in cyber security and differentiate between threats and risks. OC 2. Apply safe browsing practices and protect their digital identity across platforms. OC 3. Identify and avoid common cyber scams, phishing attacks, and fake news. OC 4. Safeguard personal devices, use secure communication tools, and manage passwords.	

	OC 5. Understand the ethical concerns and emerging trends in AI-driven cyber threats.
9	Modules: Module 1: Fundamentals of Digital Safety & Online Behavior Introduction to Digital Safety and Cyber Security: What is Digital Safety?, Everyday importance of staying safe online, Cyber Security vs. Digital Safety, Ethical and responsible use of technology Common Online Threats and How to Avoid Them: Types of online threats: viruses, phishing, scams, Understanding social engineering and digital fraud, Case examples of real-world cyber attacks Safe Internet and Social Media Use: How to browse safely: HTTPS, safe websites, online shopping tips, Social media privacy settings, Digital identity and managing your online presence, Deepfakes and misinformation, Screen time, mental health, and digital well-being Online Safety for Children and Teenagers: Common risks for young users, Using parental controls and safe browsing tools, Identifying and addressing cyberbullying, Teaching children responsible internet use Module 2: Personal Device Security, Privacy & Emerging Trends Securing Devices and Networks: How to keep your phone and laptop safe, Safe use of public Wi-Fi and VPNs, Protecting smart devices (IoT) at home, Backing up your data securely Building Good Digital Habits (Cyber Hygiene): Creating strong passwords and using multi-factor authentication, Keeping software updated and avoiding unsafe downloads, Spotting fake news and online hoaxes Understanding Data Privacy: What is personal data and why it matters, Data protection laws in simple terms (like GDPR), Using privacy-friendly tools (browsers, search engines, messaging apps), What to do if a data breach happens Cyber Safety at Work and Emerging Technologies: Staying safe while working online or remotely, Secure email and workplace communication, How AI is used in cyber security – the good and the bad, Deepfakes, AI-based scams, and how to stay alert, Introduction to how blockchain can help in digital security
10	Text Books 1. Security in the Cyber Age: An Introduction to Policy and Technology, John E. Savage, Derek S. Reveron, Cambridge University Press, 2023 2. Cyber Security and Personal Data Awareness: Leverage Personal Data safety in Cyber Threat environment, Selvaraj G, Notion Pres, 2024 3. Cyber and Digital Safety: Fundamentals and Best Practices, Maurya R K, SYBGEN Learning, 2025
11	Reference Books 1. Cyber Safety for Everyone: A comprehensive guide to online safety,

	JaagoTeens, BPB Publications, 3rd Edition, 2024 2. The Basics of Cyber Safety: Computer and Mobile Device Safety, John Sammons (Author), Michael Cross MD, Syngress, 2016 3. Cybersecurity for Everyone, David B. Skillicorn, Routledge, CRC Press, 2022 4. Cybersecurity for Dummies, Joseph Steinberg, Wiley, 2020		
12	Internal Continuous Assessment: 40%	Semester End Examination: 60%	
13	Continuous Evaluation through: Class Test on Module 1: 10 marks Class Test on Module 2: 10 marks	Evaluation through: A Semester End Theory Examination of 1 hour duration for 30 marks as per the paper pattern given below.	
	Average of 2 Class Tests: 10 marks Assignment on Module 1: 5 marks Assignment on Module 2: 5 marks	Total: 30 marks	
	Total of 2 Assignments: 10 marks		
	Total: 20 marks		
14	Format of Question Paper:		
	Total Marks: 30		
	Duration: 1 Hour		
	Question	Based On	Options
	Q. 1	Module 1	Any 2 out of 4
Q. 2	Module 2	Any 2 out of 4	
Q. 3	Module 1 & 2	Any 2 out of 4	
			Marks
			10
			10
			10

Name of the Course: Web Designing

Sr. No.	Heading	Particulars
1	Description the course:	Introduction: This course offers a comprehensive exploration of web development, covering essential technologies such as HTML, CSS, JavaScript, and PHP. Students will gain practical skills and knowledge necessary to create dynamic and visually appealing websites. Relevance: In today's digital age, web development skills are in high demand across various industries. Understanding HTML, CSS, JavaScript, and PHP is crucial for anyone interested in pursuing a career in web development or related fields. Usefulness: The skills acquired in this course are highly transferable and applicable in a wide range of professional settings. Whether students aim to become web developers, designers, or entrepreneurs, proficiency in web development technologies is invaluable. Application: Students will learn to apply their knowledge of HTML, CSS, JavaScript, and PHP to develop interactive websites and web applications. Through hands-on projects and exercises, they will gain practical experience in building real-world solutions. Interest: The course content is designed to engage students with a passion for technology and creativity. From creating visually appealing designs to implementing dynamic functionality, students will find ample opportunities to explore and express their interests. Connection with Other Courses: This course serves as a foundation for further studies in web development and related disciplines. It complements other technology courses by providing essential skills and knowledge that can be applied across various domains.

		Demand in the Industry: The demand for skilled web developers continues to grow as businesses and organizations increasingly rely on their online presence. Graduates of this course will be well-equipped to meet this demand and contribute effectively in the industry. Job Prospects: Completion of this course opens up numerous job opportunities in web development, design, digital marketing, e-commerce, and more. With the skills acquired, students can pursue roles such as front-end developer, web designer, full-stack developer, or freelance web developer.
2	Vertical:	Open Elective
3	Type:	Practical
4	Credits:	2 credits (1 credit = 30 Hours of Practical work in a semester)
5	Hours Allotted:	60 hours
6	Marks Allotted:	50 Marks
7	Course Objectives (CO): CO 1. Familiarize students with core web development technologies such as HTML, CSS, JavaScript, and PHP. CO 2. Develop students' skills in creating structured and visually appealing web pages using HTML and CSS. CO 3. Enable students to add interactivity and dynamic behavior to web pages using JavaScript. CO 4. Introduce students to basic web design principles and best practices. CO 5. Provide practical experience through hands-on exercises and projects.	
8	Course Outcomes (OC): After successful completion of this course, students would be able to - OC 1. Demonstrate proficiency in HTML markup and CSS styling to create well-structured and visually appealing web pages. OC 2. Implement interactivity and dynamic behavior on web pages using JavaScript and PHP. OC 3. Apply basic web design principles to create user-friendly and aesthetically pleasing websites. OC 4. Analyze and solve problems related to web development, including troubleshooting code and debugging errors. OC 5. Develop basic web applications and prototypes using HTML, CSS, JavaScript, and PHP. OC 6. Collaborate effectively in a team environment on web development projects.	

9	Modules:
	Module 1: Basics of Web Development (HTML and CSS) (30 hours)
	Understanding the Internet and World Wide Web:
	Introduction to the Internet and its applications. Overview of email, Telnet, FTP, e-commerce, and e-business. Basics of Internet infrastructure: ISPs, DNS, URLs, and HTTP. HTML5 Fundamentals: Basic Elements of HTML: Introduction to HTML tags for creating the structure of web pages. Formatting Text: Applying basic text formatting using HTML tags. Organizing Content: Using lists and headings to organize content. Creating Links: Making hyperlinks to connect web pages. HTML Tables: Structuring data using HTML tables for better presentation and organization. Working with Multimedia and Forms: Adding Images: Inserting images onto web pages and understanding image formats. Colors and Styling: Applying colors and basic styles to web elements. Forms and User Input: Creating interactive forms for user input and data submission. Styling with CSS Introduction to CSS: Understanding the role of Cascading Style Sheets in styling web pages. Selectors and Properties: Using CSS selectors and properties to style HTML elements. Background and Fonts: Applying background styles and working with fonts. Positioning Elements: Understanding CSS properties for positioning elements on a web page.
	Module 2: JavaScript and Dynamic Web Content (30 hours)
	JavaScript: Integrating JavaScript: Using JavaScript code within HTML documents for interactivity. Programming Basics: Understanding JavaScript variables, operators, and control flow. Functions and Events: Defining functions and handling events for user interaction. Working with Forms: Validating form data and handling user input with JavaScript.

	Dynamic content with PHP Basics of Server-side Scripting: Understanding the role of PHP in server-side scripting. Variables and Data Types: Declaring variables, working with data types, and type coercion in PHP. Control Structures: Implementing conditional statements and loops in PHP scripts. Sessions and Cookies: Introduction to managing user sessions and using cookies for data storage. Working with Databases: Connecting to databases, executing SQL queries, and processing query results.	
10	Text Books 1. HTML 5 Black Book, Covers CSS 3, JavaScript, XML, XHTML, AJAX, PHP and jQuery, 2ed, Dreamtech Press, 2016 2. Web Programming and Interactive Technologies, scriptDemics, StarEdu Solutions India, 2018 3. PHP: A Beginners Guide, Vikram Vaswani, TMH	
11	Reference Books 1. HTML, XHTML, and CSS Bible Fifth Edition, Steven M. Schafer, WILEY, 2011 2. Learning PHP, MySQL, JavaScript, CSS & HTML5, Robin Nixon, O'Reilly, 2018 3. PHP, MySQL, JavaScript & HTML5 All-in-one for Dummies, Steve Suehring, Janet Valade Wiley, 2018	
12	Internal Continuous Assessment: 40%	Semester End Examination: 60%
13	Continuous Evaluation through: Class Test on Module 1: 10 marks Class Test on Module 2: 10 marks Average of 2 Class Tests: 10 marks Assignment on Module 1: 5 marks Assignment on Module 2: 5 marks Total of 2 Assignments: 10 marks Total: 20 marks	Evaluation through: A Semester End Theory Examination of 1 hour duration for 30 marks as per the paper pattern given below. Total: 30 marks

14	Format of Question Paper:			
	Total Marks: 30		Duration: 1 Hour	
	Question	Based On	Options	Marks
	Q. 1	Module 1	<i>Any 2 out of 4</i>	10
	Q. 2	Module 2	<i>Any 2 out of 4</i>	10
	Q. 3	Module 1 & 2	<i>Any 2 out of 4</i>	10

Sd/-

Sign of the BOS Chairman
Dr. Jyotshna Dongardive
 Ad-hoc BOS (Computer
 Science)

Sd/-

Sign of the Offg.
Associate Dean
Dr. Madhav R. Rajwade
 Faculty of Science & Technology

Sd/-

Sign of Offg. Dean
Prof. Shivram S. Garje
 Faculty of Science &
 Technology

As Per NEP 2020

University of Mumbai



Syllabus for Basket of AEC Vertical 5

Faculty of- HUMANITIES

Board of Studies in HINDI

Second Year Programme

Semester

III

Title of Paper

Credits

I) हिंदी भाषा : व्यावहारिक प्रयोग

2

From the Academic Year

2025-26

Title of Paper- हिंदी भाषा:व्यावहारिक प्रयोग

Sr. No.	Heading	Particulars
1	Description of the course:	भाषा का जीवन में सदैव महत्व रहा है। जीवन और भाषा का चोली-दामन का संबंध है। जब हमारी भाषा मधुर और सार्थक होती है तो श्रोता पर विशिष्ट प्रभाव पड़ता है। भाषा का यदि सही और सार्थक रूप से प्रयोग किया जाए तो मनुष्य जीवन में कहीं भी असफल नहीं हो सकता है। इसी भाषा के माध्यम से हम सभी को अपनी ओर आकर्षित भी करते हैं। वर्तमान युग में रोजगार में बहुत से क्षेत्र भाषा से जुड़े हुए हैं, जिसके माध्यम से विद्यार्थी इनका लाभ ग्रहण कर सकते हैं। भाषाई क्षमता हमारे विचारों की संवाहक होती है। आज डिजिटल युग में अभिव्यक्ति के कई माध्यमों का प्रसार हुआ है, इन माध्यमों में भाषा ही सशक्त तत्व है जो आपकी अभिव्यक्ति को पूरे जगत को अवगत कराती है। भाषा का महत्व हर समय, हर माध्यम में रहा है, परंतु भाषा का सार्थक रूप का प्रयोग आज बहुत आवश्यक है। आज हिंदी अंतरराष्ट्रीय स्तर पर प्रयोग में लाई जा रही है, तकनीक, सूचना प्रौद्योगिकी सोशल मीडिया, राजनीति की भाषा हिंदी बन चुकी है। जीवन में कई क्षेत्रों में व्यावहारिक स्तर पर हमें अपनी भाषा के लिखित स्वरूप के कार्यों को करना होता है और ऐसे में कार्य-दक्षता महत्व रखती है। हिंदी भाषा में व्यावहारिक प्रयोग को केंद्र में रखकर और इन्हीं पहलुओं को ध्यान में रखते हुए इस पाठ्यक्रम का गठन किया गया है। हम हिंदी भाषा को सही और शुद्ध रूप में प्रयोग कर अभिव्यक्ति को सफल बनाएं और बिना व्याकरण के यह संभव नहीं है। इस दृष्टि से पाठ्यक्रम सर्वाधिक लाभकारी सिद्ध होगा।
2	Vertical:	AEC
3	Type:	Theory
4	Credit:	2 credits (1 credit = 15 Hours for Theory)
5	Hours Allotted:	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives:	1. विद्यार्थियों को राजभाषा हिंदी का विधिवत ज्ञान प्रदान करना।

	2. विद्यार्थियों को राजभाषा हिंदी के व्याकरण से परिचय करवाना। 3. विद्यार्थियों को संज्ञा आदि का ज्ञान प्रदान करना। 4. विद्यार्थियों को कारकों, वाक्य रचना एवं भाषिक चिह्नों आदि का ज्ञान प्रदान करना।	
8	Course Outcomes: 1. विद्यार्थियों को राजभाषा हिंदी का ज्ञान प्राप्त होगा, एवं दक्षता प्राप्त होगी। 2. विद्यार्थियों को राजभाषा हिंदी के व्याकरणिक प्रयोग की जानकारी प्राप्त होगी। 3. विद्यार्थियों को हिंदी-संज्ञा आदि का ज्ञान प्राप्त होने के साथ भाषा के शुद्ध, व्यावहारिक रूप का ज्ञान होगा। 4. विद्यार्थियों को कारकों, वाक्य रचना एवं भाषिक चिह्नों आदि का ज्ञान प्राप्त होगा।	
9	Modules (Per credit one module can be created)	
	इकाई-1	व्याख्यान-15
	क्रेडिट-01	
	1. हिंदी भाषा : सामान्य परिचय	
	2. राजभाषा हिंदी : संवैधानिक महत्त्व	
	3. वर्णमाला : स्वर एवं व्यंजन	
	4. शब्द भेद : सामान्य परिचय (संज्ञा आदि)	
	इकाई-2	व्याख्यान-15
	क्रेडिट-01	
	1. वाक्य : सामान्य परिचय	
	2. वर्तनी : शुद्धता का प्रयोग एवं सावधानियाँ	
	3. कारक एवं विराम चिह्न	
	4. पत्र लेखन : (बधाई, निमंत्रण, सुझाव, शिकायत, आभार, आवेदन, RTI लेखन)	
10	संदर्भ ग्रंथ- 1. बाबूराम सक्सेना- सामान्य भाषा विज्ञान, हिंदी साहित्य सम्मेलन, प्रयाग 2. कामताप्रसाद गुरु- हिंदी व्याकरण, लोकभारती प्रकाशन, इलाहाबाद 3. आचार्य देवेन्द्र नाथ शर्मा- भाषा विज्ञान की भूमिका, राधाकृष्ण प्रकाशन, दिल्ली 4. भाषा विज्ञान एवं भाषाशास्त्र- कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी 5. भोलानाथ तिवारी- भाषा विज्ञान, किताब महल, इलाहाबाद	
11	Internal Continuous Assessment : 40%	External : Semester End Examination : 60%
12	Continuous Evaluation through: - रचनात्मक कार्य/प्रकल्प इत्यादि- 10 अंक - प्रस्तुति/परिसंवाद सहभागिता इत्यादि- 05 अंक - अकादमिक, व्यावसायिक एवं कौशल संवर्धन गतिविधियाँ- 05 अंक कुल 20 अंक	लिखित परीक्षा अंक : 30 समयावधि : 01 घंटा

13	Format of Question Paper: for the semester end examination अंक : 30 निर्देश- 1. दोनों इकाइयों से प्रश्न पूछे जाएं। 2. तीन प्रश्न पूछे जाएं, किन्हीं दो प्रश्नों के उत्तर अपेक्षित हैं।	लिखित परीक्षा समयावधि : 01 घंटा 15x2 = 30 अंक कुलयोग- 30 अंक
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Sd/- Sign of the BOS Chairman Prof. Dr. Santosh Motwani Board of Studies in Hindi	Sd/- Sign of the Offg. Associate Dean Dr. Suchitra Naik Faculty of Humanities	Sd/- Sign of the Offg. Associate Dean Prof. Manisha Karne Faculty of Humanities	Sd/- Sign of the Offg. Dean Prof. Anil Singh Faculty of Humanities
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AC – 20/05/2025

Item No. 8.47 (N) Sem III/IV 1(c)

As Per NEP 2020

University of Mumbai



Syllabus for CC

Ad- hoc Board of Studies in N.C.C./N.S.S./Sports Co-Curricular

UG First Year Programme - Co-Curricular Course

Semester	III & IV	
Title of Paper	Sem	Credits
Indian Theatre: Classical Roots and Contemporary Expressions	III	2
Integrated Theatre Production: Stage Craft, Costume, Music and Technology	IV	2
From the Academic Year		2025-26

Semester III As per NEP 2020

Indian Theatre: Classical Roots and Contemporary Expressions

Syllabus for Two Credits Programme

With effect from Academic Year 2025-2026

Aims and Objectives

- To understand the historical evolution of Indian theatre from Vedic to modern times.
- To analyze the core principles of Bharata's *Natyashastra* and their relevance in contemporary theatre.
- To examine major classical playwrights and evaluate the narrative and thematic aspects of their works.
- To explore and differentiate various streams of modern Indian theatre including commercial, experimental, and children's theatre.
- To develop a critical perspective on the sociopolitical role of street and one-act plays.
- To appreciate the interdisciplinary nature of performing arts by connecting theory with practical examples.

Learning Outcomes

The course will enable the learner to

- Describe the historical and cultural development of Indian theatre across different time periods.
- Interpret and apply the aesthetic principles from *Natyashastra* (such as Rasa and Abhinaya) in the analysis of theatrical performances.
- Critically evaluate classical Indian plays for their structure, themes, character development, and historical significance.
- Compare and contrast different forms of modern Indian theatre and assess their audience impact and staging methods.
- Demonstrate understanding of street theatre and one-act plays by creating outlines or performing excerpts reflecting real-world issues.
- Reflect on the role of performing arts in cultural preservation, education, and community engagement.

Modules at Glance

Semester III

Module No.	Unit	Content	No. of Hours
1	I	Indian Theatre: Historical Roots	07
	II	Bharata's <i>Natyashastra</i> and Theatrical Principles	08
2	III	Classical Playwrights and Dramatic Texts	07
	IV	Streams and Forms of Modern Indian Theatre	08
Total No. of Hours			30

Module No.	Unit	Content
1	I	Indian Theatre: Historical Roots - History of Indian Drama, Origins: Historical development: From Vedic rituals to Sanskrit drama, medieval folk forms, colonial influences, and post-independence trends. - Major periods: Ancient (Natyashastra era), Medieval (Bhakti and folk traditions), Modern (colonial and post-independence)
	II	Bharata's <i>Natyashastra</i> and Theatrical Principles - In-depth analysis of <i>Natyashastra</i>, the foundational treatise on Indian dramaturgy - Key concepts: - Natyagriha (Ancient theatre architecture) - Rasa Theory – the aesthetic experience and emotional flavors - Bhava, Abhinaya, and their relevance in classical performance - Influence of <i>Natyashastra</i> on later theatrical tradition
2	III	Classical Playwrights and Dramatic Texts - Critical study of major classical dramatists and their works: Kalidasa – <i>Abhijnanasakuntalam</i>, <i>Malavikagnimitram</i> Bhasa, Sudraka, Bhavabhuti – Key themes and innovations. - Analysis of plot structure, character portrayal, and cultural context in classical play.
	IV	Streams and Forms of Modern Indian Theatre Commercial Theatre: Characteristics, audience engagement, and production values Experimental Theatre: Alternative spaces, innovative storytelling, and non-linear narratives Amateur Theatre: Community participation, regional theatre groups, and resourceful staging Children's Theatre: Educational objectives, interactive methods, and imagination-centered content One-Act Plays: Structure, brevity, and intensity of narrative Street Theatre (Nukkad Natak): Origin, purpose, and

		socio-political engagement
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Scheme of Evaluation

The Scheme of Examination shall be of 50 marks. It will be divided into Internal Evaluation (20 marks) and Semester End Examination (30 Marks).

Semester III (50 Marks - 2 Credits)

Internal Evaluation (20 Marks)

Sr. No.	Particulars	Marks
1	Presentation OR Project OR Assignment	15
2	Participation in Workshop / Conference / Seminar (as decided by the Teacher) OR Participation in Online Workshop / Conference / Seminar (as decided by the Teacher) OR Field Visit OR Attendance	5

Semester End Examination (30 Marks)

Question No.	Particulars	Marks
1	Objective Type Questions (All Units)	06
2	Descriptive Question(s) on Unit I The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
3	Descriptive Question(s) on Unit II The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
4	Descriptive Question(s) on Unit III The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
5	Descriptive Question(s) on Unit IV The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
Total		30

Reference Books

- Ankur, D. R. (2021). *Doosare Natyashastra ki Khoj (in Hindi)*. Vani Prakashan. ISBN: 978-9350004302.
- Bhatia, N. (Ed.). (2009). *Modern Indian theatre: A reader*. Oxford University Press.
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- Dinkar, R. S. (1966). *Sanskriti ke chaar adhyay (in Hindi)*. Udayachal. ISBN: 9788185341052.
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- Gargi, B. (1991). *Indian theatre*. National Book Trust.
- Ghosh, M. (Trans.). (1951). *The Natyashastra of Bharatamuni (Vol. I & II)*. Asiatic Society of Bengal.
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- Sircar, B. (2009). *Three plays: Evam Indrajit, Pagla Ghoda, and Bhoma*. Oxford University Press.
- Solomon, R. H. (2004). *New directions in Indian theatre*. Seagull Books.
- Tendulkar, V. (2004). *Collected plays in translation (Vol. 1)*. Oxford University Press.
- Tanvir, H. (2007). *Charandas Chor and other plays*. Seagull Books.
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- Varadpande, M. L. (1987). *A history of Indian theatre (Vols. 1–3)*. Abhinav Publications.
- Wales, H. W. (2010). *Bharat ka pracheen natak: Vishwa sahitya aur theatre ke liye mulyon ka adhyayan (in Hindi)*. Motilal Banarsidass Publishing House. ISBN: 978-8120824522.
- Wilson, E., & Alvin, G. (2001). *Theatre: The lively art (6th ed.)*. McGraw-Hill.

Semester IV

As per NEP 2020

Integrated Theatre Production: Stage Craft, Costume, Music and Technology

Syllabus for Two Credits Programme

With effect from Academic Year 2025-2026

Aims and Objectives

- Theorize the semiotic and emotional functions of lighting and costume design within various theatrical traditions.
- Critically examine the historical evolution and theoretical paradigms of lighting and costume design in stagecraft.
- Explore the interplay between visual design elements and narrative dramaturgy in theatrical performance.
- Understand technical terminologies and design documentation processes from a theoretical perspective.
- Discuss the role of modern technologies (e.g., DMX, lighting consoles) and their theoretical implications on visual design aesthetics.
- Evaluate costume design strategies in relation to character psychology, period accuracy, and genre conventions.

Learning Outcomes

The course will enable the learner to

- **Define and describe** key theoretical concepts related to lighting and costume design in theatre.
- **Interpret** the narrative and symbolic meanings conveyed through visual design elements in performance.
- **Analyze** lighting and costume designs using appropriate theoretical and historical frameworks.
- **Discuss** the interrelationship between text, character, and design from a theoretical standpoint.
- **Compare and contrast** design practices across different theatrical genres and periods.
- **Evaluate** how technological advancements have influenced theoretical approaches to stage design.

Modules at Glance Semester IV

Module No.	Unit	Content	No. of Hours
1	I	Stage Lighting Design and Documentation	07
	II	Principles and Practice of Costume Design	08
2	III	Background Music and Sound Design	07
	IV	Technological Tools in Theatre Production	08
Total No. of Hours			30

Module No.	Unit	Content
1	I	Stage Lighting Design and Documentation • Introduction to lighting as a narrative and emotional tool in theatre • Preparation and documentation: ○ Lighting layout plan ○ Ground plan ○ Cue sheet making • Study of light placement, intensity, color, and timing • Introduction to modern lighting technology: ○ Use of computerized and automated lighting systems (DMX, consoles, software) • Integration of lighting with sound and stage movement.
	II	Principles and Practice of Costume Design • Elements and principles of costume design: texture, silhouette, line, color, proportion • Costume construction techniques: fabric selection, stitching, pattern-making • Embellishment and ornamentation: embroidery, painting, appliqué • Costumes for theatrical styles: • Realistic/Representational theatre: historically and culturally accurate costume design • Stylized/Presentational theatre: symbolic, abstract, and thematic design approaches
2	III	Background Music and Sound Design • Objectives and importance of background music in theatre production. • Methods of using sound: • Live performance effects vs. recorded effects • Synchronizing sound with cues, lighting, and performance • Introduction to musical instruments used in theatre:

		• String instruments (e.g., sitar, violin) • Wind instruments (e.g., flute, shehnai) • Percussion instruments (e.g., tabla, drums) • Music cue sheets: structure, timing, and application in live performance.
	IV	Technological Tools in Theatre Production • Overview of sound equipment: microphones, mixers, speakers • Integration of computers and software in sound and music production • Use of digital platforms in cueing, editing, and managing technical aspects of performance • Case studies/examples from contemporary and traditional performances integrating modern technology.

Scheme of Evaluation

The Scheme of Examination shall be of 50 marks. It will be divided into Internal Evaluation (20 marks) and Semester End Examination (30 Marks).

Semester IV (50 Marks - 2 Credits)

Internal Evaluation (20 Marks)

Sr. No.	Particulars	Marks
1	Presentation OR Project OR Assignment	15
2	Participation in Workshop / Conference / Seminar (as decided by the Teacher) OR Participation in Online Workshop / Conference / Seminar (as decided by the Teacher) OR Field Visit OR Attendance	5

Semester End Examination (30 Marks)

Question No.	Particulars	Marks
1	Objective Type Questions (All Units)	06
2	Descriptive Question(s) on Unit I The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
3	Descriptive Question(s) on Unit II The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
4	Descriptive Question(s) on Unit III The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
5	Descriptive Question(s) on Unit IV The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
Total		30

Reference Books

- Angeloglou, M. (1970). *A history of make-up*.
- Malvil, H. (n.d.). *Magic of makeup for stage*.
- Strenkovsky, S. (1937). *The art of make-up*. Frederick Muller.
- Pilbrow, R. (2008). *Stage lighting design: The art, the craft, the life*. Quite Specific Media Group.
- Dasgupta, G. N. (1986). *Guide to stage lighting*. Annapurna Dasgupta.
- Corry, P. (1958). *Lighting the stage*. Pitman.
- Welker, D. (1969). *Theatrical set design: The basic techniques*. Allyn and Bacon

Sd/-

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