

M S RAMAIAH COLLEGE OF ARTS, SCIENCE AND COMMERCE

Course Outcomes for all Programs Offered by the Institutions

Id	Program	CourseCode	CourseName	COCode	CO
5256	BBA – Bachelor of Business Administration	BFAC1S	Fundamentals of Accounting	CO1	Deliberate the details of INTRODUCTION TO FINANCIAL ACCOUNTING
5256	BBA – Bachelor of Business Administration	BFAC1S	Fundamentals of Accounting	CO2	Understand in details with application, if applicable, ACCOUNTING PROCESS
5256	BBA – Bachelor of Business Administration	BFAC1S	Fundamentals of Accounting	CO3	Specify in details with examples SUBSIDIARY BOOKS
5256	BBA – Bachelor of Business Administration	BFAC1S	Fundamentals of Accounting	CO4	Deliberate the classification and characteristics of FINAL ACCOUNTS OF PROPRIETARY CONCERN
5256	BBA – Bachelor of Business Administration	BFAC1S	Fundamentals of Accounting	CO5	Specify the classification and characteristics of SINGLE ENTRY SYSTEM
5256	BBA – Bachelor of Business Administration	BBEC1S	Business Organization and Environment	CO1	Understand in details with examples INTRODUCTION TO BUSINESS ORGANIZATION
5256	BBA – Bachelor of Business Administration	BBEC1S	Business Organization and Environment	CO2	Specify the details of FORMS OF BUSINESS ORGANIZATIONSS ORGANIZATION
5256	BBA – Bachelor of Business Administration	BBEC1S	Business Organization and Environment	CO3	Learn the details of JOINT STOCK COMPANY
5256	BBA – Bachelor of Business Administration	BBEC1S	Business Organization and Environment	CO4	Write down in details with examples BUSINESS ENVIRONMENT
5256	BBA – Bachelor of Business Administration	BBEC1S	Business Organization and Environment	CO5	Deliberate the characteristics of GOVERNMENT AND BUSINESS
5256	BBA – Bachelor of Business Administration	BQMC1S	Quantitative Methods for Business - I	CO1	Identify in details with application, if applicable, Number System
5256	BBA – Bachelor of Business Administration	BQMC1S	Quantitative Methods for Business - I	CO2	Specify in depth Theory of Equations
5256	BBA – Bachelor of Business Administration	BQMC1S	Quantitative Methods for Business - I	CO3	Understand in details with examples Matrices, Indices and Logarithms
5256	BBA – Bachelor of Business Administration	BQMC1S	Quantitative Methods for Business - I	CO4	Write down in details with examples Commercial Arithmetic
5256	BBA – Bachelor of Business Administration	BQMC1S	Quantitative Methods for Business - I	CO5	Identify in depth Progressions
5256	BBA – Bachelor of Business Administration	BMPC1S	Management Process	CO1	Understand the characteristics of introduc to management
5256	BBA – Bachelor of Business Administration	BMPC1S	Management Process	CO2	Identify in details with application, if applicable, planning and decision making

5256	BBA – Bachelor of Business Administration	BMPC1S	Management Process	CO3	Specify in details with application, if applicable, planning and decision making
5256	BBA – Bachelor of Business Administration	BMPC1S	Management Process	CO4	Deliberate the classification and characteristics of organizing and staffing
5256	BBA – Bachelor of Business Administration	BMPC1S	Management Process	CO5	Deliberate in details with application, if applicable, directing communicating and co-ordinating
5256	BBA – Bachelor of Business Administration	BMPC1S	Management Process	CO6	Identify in depth controlling
5256	BBA – Bachelor of Business Administration	BMPC1S	Management Process	CO7	Deliberate in details with application, if applicable, social responsibilities and ethics
5256	BBA – Bachelor of Business Administration	BFAC2S	Financial Accounting	CO1	INSURANCE CLAIMS Introduction
5256	BBA – Bachelor of Business Administration	BFAC2S	Financial Accounting	CO2	HIRE PURCHASE AND INSTALLMENT SYSTEMS
5256	BBA – Bachelor of Business Administration	BFAC2S	Financial Accounting	CO3	ROYALTY ACCOUNTS
5256	BBA – Bachelor of Business Administration	BFAC2S	Financial Accounting	CO4	SALE OF PARTNERSHIP TO A LIMITED COMPANY
5256	BBA – Bachelor of Business Administration	BFAC2S	Financial Accounting	CO5	ISSUE OF SHARES
5256	BBA – Bachelor of Business Administration	BQMC2S	Quantitative Methods for Business - II	CO4	Identify the details of CORRELATION AND REGRESSION ANALYSIS
5256	BBA – Bachelor of Business Administration	BQMC2S	Quantitative Methods for Business - II	CO5	Deliberate the details of INDEX NUMBERS
5256	BBA – Bachelor of Business Administration	BQMC2S	Quantitative Methods for Business - II	CO1	Understand the classification and characteristics of INTRODUCTION TO STATISTICS
5256	BBA – Bachelor of Business Administration	BQMC2S	Quantitative Methods for Business - II	CO2	Deliberate the details of MEASURES OF CENTRAL TENDENCY
5256	BBA – Bachelor of Business Administration	BQMC2S	Quantitative Methods for Business - II	CO3	Learn the characteristics of MEASURES OF DISPERSION AND SKEWNESS
5256	BBA – Bachelor of Business Administration	BRBC2S	Organizational Behavior	CO1	Understand the details of ORGANIZATIONAL BEHAVIOUR
5256	BBA – Bachelor of Business Administration	BRBC2S	Organizational Behavior	CO2	Specify the classification and characteristics of PERSONALITY, PERCEPTION AND ATTITUDES
5256	BBA – Bachelor of Business Administration	BRBC2S	Organizational Behavior	CO3	Identify the characteristics of LEARNING AND BEHAVIOUR MODIFICATION
5256	BBA – Bachelor of Business Administration	BRBC2S	Organizational Behavior	CO4	Deliberate in details with application, if applicable, GROUP DYNAMICS
5256	BBA – Bachelor of Business Administration	BRBC2S	Organizational Behavior	CO5	Specify in details with examples ORGANIZATIONAL CHANGE AND DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BPMC2S	Production and Operations Management	CO1	Learn in details with examples Introduction to production and operations management
5256	BBA – Bachelor of Business Administration	BPMC2S	Production and Operations Management	CO2	Specify the characteristics of Plant location and layout

5256	BBA – Bachelor of Business Administration	BPMC2S	Production and Operations Management	CO3	Specify the classification and characteristics of Materials management
5256	BBA – Bachelor of Business Administration	BPMC2S	Production and Operations Management	CO4	Specify the details of Production planning and quality control
5256	BBA – Bachelor of Business Administration	BPMC2S	Production and Operations Management	CO5	Deliberate in details with examples maintenance and waste management
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO6	Write down the details of ELEMENTS OF COMMUNICATION
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO7	Identify in details with application, if applicable, PUBLIC SPEAKING
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO8	Learn in details with application, if applicable, INTERVIEW TECHNIQUES
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO9	Understand in details with application, if applicable, MEETINGS
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO10	Deliberate the characteristics of SKILL DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO11	Understand in details with examples ELEMENTS OF COMMUNICATION, PUBLIC SPEAKING, INTERVIEW TECHNIQUES, MEETINGS , BUSINESS COMMUNICATION
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO12	Learn in depth ELEMENTS OF COMMUNICATION, PUBLIC SPEAKING, INTERVIEW TECHNIQUES, MEETINGS , BUSINESS COMMUNICATION
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO13	Specify the characteristics of ELEMENTS OF COMMUNICATION, PUBLIC SPEAKING, INTERVIEW TECHNIQUES, MEETINGS , BUSINESS COMMUNICATION
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO14	Write down the details of ELEMENTS OF COMMUNICATION, PUBLIC SPEAKING, INTERVIEW TECHNIQUES, MEETINGS , BUSINESS COMMUNICATION
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO1	Specify in details with examples ELEMENTS OF COMMUNICATION
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO2	Understand the characteristics of PUBLIC SPEAKING
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO3	Specify in details with application, if applicable, INTERVIEW TECHNIQUES
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO4	Specify the classification and characteristics of MEETINGS
5256	BBA – Bachelor of Business Administration	BSBC3S	Soft Skills for Business	CO5	Identify in details with application, if applicable, BUSINESS COMMUNICATION
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO6	Learn the characteristics of company final accounts ,financial statement analysis
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO7	Deliberate the characteristics of company final accounts, financial statement analysis

5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO8	Write down in details with examples company final accounts, financial statement analysis
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO9	Identify in details with application, if applicable, company final accounts, financial statement analysis
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO10	Identify in details with examples company final accounts ,financial statement analysis
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO1	Learn the details of Company Final Accounts
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO2	Understand in details with examples Financial Statement Analysis
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO3	Write down in depth Valuation of Goodwill
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO4	Deliberate in details with examples Valuation of Shares
5256	BBA – Bachelor of Business Administration	BCAC3S	Corporate Accounting	CO5	Specify in details with application, if applicable, Holding Company Accounts
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO1	Deliberate in details with application, if applicable, human resource management
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO2	Write down the classification and characteristics of human resource planning, recruitment and selection
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO3	Understand in details with examples Induction and training
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO4	Understand the classification and characteristics of Performance appraisal and compensation
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO5	Learn the classification and characteristics of promotion and transfers
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO6	Learn in details with examples HUMAN RESOURCE MANAGEMENT, HUMAN RESOURCE PLANNING, RECRUITMENT AND SELECTION,INDUCTION AND TRAINING,PERFORMANCE APPRAISAL AND COMPENSATION,PROMOTION AND TRANSFERS ,HUMAN RESOURCE DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO7	Understand the details of HUMAN RESOURCE MANAGEMENT, HUMAN RESOURCE PLANNING, RECRUITMENT AND SELECTION,INDUCTION AND TRAINING,PERFORMANCE APPRAISAL AND COMPENSATION,PROMOTION AND TRANSFERS ,HUMAN RESOURCE DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO8	Specify the details of HUMAN RESOURCE MANAGEMENT, HUMAN RESOURCE PLANNING, RECRUITMENT AND SELECTION,INDUCTION AND TRAINING,PERFORMANCE APPRAISAL AND COMPENSATION,PROMOTION AND TRANSFERS ,HUMAN RESOURCE DEVELOPMENT

5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO9	Understand the details of HUMAN RESOURCE MANAGEMENT, HUMAN RESOURCE PLANNING, RECRUITMENT AND SELECTION,INDUCTION AND TRAINING,PERFORMANCE APPRAISAL AND COMPENSATION,PROMOTION AND TRANSFERS ,HUMAN RESOURCE DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO10	Deliberate in details with application, if applicable, HUMAN RESOURCE MANAGEMENT, HUMAN RESOURCE PLANNING, RECRUITMENT AND SELECTION,INDUCTION AND TRAINING,PERFORMANCE APPRAISAL AND COMPENSATION,PROMOTION AND TRANSFERS ,HUMAN RESOURCE DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BHRC3S	Human Resource Management	CO11	Write down in depth HUMAN RESOURCE MANAGEMENT, HUMAN RESOURCE PLANNING, RECRUITMENT AND SELECTION,INDUCTION AND TRAINING,PERFORMANCE APPRAISAL AND COMPENSATION,PROMOTION AND TRANSFERS ,HUMAN RESOURCE DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO6	Learn in details with application, if applicable, INTRODUCTION TO BUSINESS LAWS , CONTRACT LAWS, INFORMATION LAW AND RIGHT,COMPETITION AND CONSUMER LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO7	Specify in details with examples INTRODUCTION TO BUSINESS LAWS , CONTRACT LAWS, INFORMATION LAW AND RIGHT,COMPETITION AND CONSUMER LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO8	Identify in details with examples INTRODUCTION TO BUSINESS LAWS , CONTRACT LAWS, INFORMATION LAW AND RIGHT,COMPETITION AND CONSUMER LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO9	Specify the characteristics of INTRODUCTION TO BUSINESS LAWS , CONTRACT LAWS, INFORMATION LAW AND RIGHT,COMPETITION AND CONSUMER LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO11	Understand in depth INTRODUCTION TO BUSINESS LAWS , CONTRACT LAWS, INFORMATION LAW AND RIGHT,COMPETITION AND CONSUMER LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO10	Understand in details with examples INTRODUCTION TO BUSINESS LAWS , CONTRACT LAWS, INFORMATION LAW AND RIGHT,COMPETITION AND CONSUMER LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO12	Write down the classification and characteristics of INTRODUCTION TO BUSINESS LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO13	Specify the details of CONTRACT LAWS

5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO14	Understand in details with examples INFORMATION LAWS AND RTE
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO15	Understand in details with examples COMPETITION AND CONSUMER LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO16	Specify the details of ECONOMIC AND ENVIRONMENTAL LAWS
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO1	Write down in depth introduction to business regulations
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO2	Specify in details with examples introduction to business regulations
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO3	Deliberate the classification and characteristics of contract law
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO4	Learn the details of right to information and right to education
5256	BBA – Bachelor of Business Administration	BBRC3S	Business Regulations	CO5	Deliberate the details of competition and consumer laws
5256	BBA – Bachelor of Business Administration	BCEC3S	Corporate Environment	CO1	Specify the characteristics of formation of a company
5256	BBA – Bachelor of Business Administration	BCEC3S	Corporate Environment	CO2	Identify in details with application, if applicable, capital of company
5256	BBA – Bachelor of Business Administration	BCEC3S	Corporate Environment	CO3	Learn in depth company meetings
5256	BBA – Bachelor of Business Administration	BCEC3S	Corporate Environment	CO4	Deliberate the classification and characteristics of company secretary
5256	BBA – Bachelor of Business Administration	BCEC3S	Corporate Environment	CO5	Specify the characteristics of winding up of companies
5256	BBA – Bachelor of Business Administration	BCEC3S	Corporate Environment	CO6	Specify in depth FORMATION OF A COMPANY,CAPITAL OF A COMPANY
5256	BBA – Bachelor of Business Administration	BCEC3S	Corporate Environment	CO7	Specify the classification and characteristics of FORMATION OF A COMPANY,CAPITAL OF A COMPANY
5256	BBA – Bachelor of Business Administration	BCEC3S	Corporate Environment	CO8	Understand the characteristics of FORMATION OF A COMPANY,CAPITAL OF A COMPANY
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO12	Identify the classification and characteristics of BUSINESS ETHICS, PERSONAL ETHICS, ETHICS IN MANAGEMENT
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO13	Write down the details of BUSINESS ETHICS, PERSONAL ETHICS, ETHICS IN MANAGEMENT
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO6	Understand in depth BUSINESS ETHICS
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO7	Understand the classification and characteristics of BUSINESS ETHICS
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO8	Learn the details of PERSONAL ETHICS
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO9	Specify the characteristics of ETHICS IN MANAGEMENT
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO10	Learn in details with examples ROLE OF CORPORATE CULTURE IN BUSINESS

5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO11	Identify the details of CORPORATE GOVERNANCE
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO3	Write down the characteristics of personal ethics
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO4	Learn in depth ethics in HRM
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO5	Learn the characteristics of ethics in marketing
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO2	Write down the classification and characteristics of corporate social responsibility
5256	BBA – Bachelor of Business Administration	BBEC3S	Business Ethics	CO1	Learn the characteristics of corporate culture
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO6	Write down the classification and characteristics of Deliberate in depth INTRODUCTION TO RESEARCH
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO7	Identify in details with examples METHODS OF DATA COLLECTION
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO8	Identify in depth TOOLS FOR COLLECTION OF DATA
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO9	Identify the details of STATISTICAL METHODS
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO10	Understand in details with examples REPORT WRITING
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO11	Learn in details with examples introduction to research, METHODS OF DATA COLLECTION, TOOLS FOR COLLECTION OF DATA
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO1	Deliberate in depth INTRODUCTION TO RESEARCH
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO2	Understand the characteristics of METHODS OF DATA COLLECTION
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO3	Learn the characteristics of TOOLS FOR COLLECTION OF DATA
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO4	Write down the classification and characteristics of STATISTICAL METHODS
5256	BBA – Bachelor of Business Administration	BRMC4S	Business Research Methods	CO5	Learn the details of REPORT WRITING
5256	BBA – Bachelor of Business Administration	BMMC4S	Marketing Management	CO6	Deliberate the classification and characteristics of INTRODUCTION TO MARKETING MANAGEMENT, MARKETING ENVIRONMENT, MARKETING MIX
5256	BBA – Bachelor of Business Administration	BMMC4S	Marketing Management	CO5	Identify the details of CUSTOMER RELATIONSHIP MANAGEMENT
5256	BBA – Bachelor of Business Administration	BMMC4S	Marketing Management	CO1	Understand the characteristics of INTRODUCTION TO MARKETING
5256	BBA – Bachelor of Business Administration	BMMC4S	Marketing Management	CO2	Deliberate in details with application, if applicable, MARKETING ENVIRONMENT (MACRO)

5256	BBA – Bachelor of Business Administration	BMMC4S	Marketing Management	CO3	Identify in details with application, if applicable, MARKETING MIX
5256	BBA – Bachelor of Business Administration	BMMC4S	Marketing Management	CO4	Deliberate the classification and characteristics of MARKET SEGMENTATION AND CONSUMER BEAHVIOUR
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO4	Write down the details of DIVIDEND DECISONS
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO5	Specify the characteristics of WORKING CAPITAL MANGEMENT
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO2	Specify in details with examples INTRODUCTION TO FINANCIAL MANAGEMENT
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO2	Deliberate the classification and characteristics of TIME VALUE OF MONEY
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO3	Identify in details with application, if applicable, FINNACING DECISIONS AND INVESTMENT DECISIONS
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO6	Specify the classification and characteristics of INTRODUCTION TO FINANCIAL MANAGEMENT
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO7	Write down in details with application, if applicable, TIME VALUE OF MONEY
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO8	Specify in details with application, if applicable, FINNACING DECISIONS AND INVESTMENT DECISIONS
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO9	Write down in depth DIVIDEND DECISONS
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO10	Identify the characteristics of WORKING CAPITAL MANGEMENT
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO11	Understand the details of INTRODUCTION TO FINANCIAL MANAGEMENT,THE VALUE OF MONEY,DIVIDEND DECISION
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO12	Write down in details with examples INTRODUCTION TO FINANCIAL MANAGEMENT,THE VALUE OF MONEY,DIVIDEND DECISION
5256	BBA – Bachelor of Business Administration	BFMC4S	Financial Management	CO13	Deliberate in details with examples INTRODUCTION TO FINANCIAL MANAGEMENT,THE VALUE OF MONEY,DIVIDEND DECISION
5256	BBA – Bachelor of Business Administration	BSMC4S	Services Management	CO2	Specify in details with examples SERVICES MARKETING
5256	BBA – Bachelor of Business Administration	BSMC4S	Services Management	CO3	Learn in depth TOURISM AND HOSPITALITY SERVICES
5256	BBA – Bachelor of Business Administration	BSMC4S	Services Management	CO1	Specify in depth INTRODUCTION TO SERVICES MANAGEMENT
5256	BBA – Bachelor of Business Administration	BSMC4S	Services Management	CO5	Identify in details with examples HEALTHCARE AND INFORMATION TECHNOLOGY ENABLED SERVICES
5256	BBA – Bachelor of Business Administration	BSMC4S	Services Management	CO4	Write down the classification and characteristics of BANKING AND INSURANCE SERVICES
5256	BBA – Bachelor of Business Administration	BREC4S	Banking Regulations & OPERATIONS	CO1	Write down the characteristics of COMMERCIAL BANKS

5256	BBA – Bachelor of Business Administration	BREC4S	Banking Regulations & OPERATIONS	CO2	Specify the classification and characteristics of BANKER AND CUSTOMER RELATIONSHIP
5256	BBA – Bachelor of Business Administration	BREC4S	Banking Regulations & OPERATIONS	CO3	Deliberate in depth NEGOTIABLE INSTRUMENTS
5256	BBA – Bachelor of Business Administration	BREC4S	Banking Regulations & OPERATIONS	CO4	Specify in details with application, if applicable, PAYING BANKER AND COLLECTING BANKER
5256	BBA – Bachelor of Business Administration	BREC4S	Banking Regulations & OPERATIONS	CO5	Learn the details of PRINCIPLES OF BANK LENDING
5256	BBA – Bachelor of Business Administration	BCAC4S	Cost Accounting	CO1	Write down in details with examples INTRODUCTION TO COST ACCOUNTING
5256	BBA – Bachelor of Business Administration	BCAC4S	Cost Accounting	CO2	Understand the details of MATERIAL COST CONTROL
5256	BBA – Bachelor of Business Administration	BCAC4S	Cost Accounting	CO3	Learn the classification and characteristics of LABOUR COST CONTROL
5256	BBA – Bachelor of Business Administration	BCAC4S	Cost Accounting	CO4	Learn in details with application, if applicable, OVERHEAD COST CONTROL
5256	BBA – Bachelor of Business Administration	BCAC4S	Cost Accounting	CO5	Specify in details with application, if applicable, RECONCILIATION OF COST AND FINANCIAL ACCOUNTS
5256	BBA – Bachelor of Business Administration	BEMC5S	Entrepreneurial Management	CO3	Specify in details with examples STARTING A SMALL INDUSTRY
5256	BBA – Bachelor of Business Administration	BEMC5S	Entrepreneurial Management	CO4	Learn the details of PREPARING THE BUSINESS PLAN
5256	BBA – Bachelor of Business Administration	BEMC5S	Entrepreneurial Management	CO5	Specify in depth IMPLEMENTATION OF THE PROJECT AND SICKNESS IN SSIs
5256	BBA – Bachelor of Business Administration	BEMC5S	Entrepreneurial Management	CO1	Write down the classification and characteristics of entrepreneurship
5256	BBA – Bachelor of Business Administration	BEMC5S	Entrepreneurial Management	CO2	Identify the classification and characteristics of Small scale Industries
5256	BBA – Bachelor of Business Administration	BCAC5S	Computer Applications in Business	CO1	Specify the details of INTRODUCTION TO INFORMATION SYSTEM
5256	BBA – Bachelor of Business Administration	BCAC5S	Computer Applications in Business	CO2	Identify in depth TYPES OF INFORMATION SYSTEMSON SYSTEM
5256	BBA – Bachelor of Business Administration	BCAC5S	Computer Applications in Business	CO3	Write down in details with examples MS OFFICE
5256	BBA – Bachelor of Business Administration	BCAC5S	Computer Applications in Business	CO4	Write down in details with examples DATABASE MANAGEMENT SYSTEMS
5256	BBA – Bachelor of Business Administration	BCAC5S	Computer Applications in Business	CO5	Write down in depth ACCOUNTING SOFTWARE
5256	BBA – Bachelor of Business Administration	BNMC5S	Investment Management	CO1	Specify the classification and characteristics of Introduction Investment Management

5256	BBA – Bachelor of Business Administration	BNMC5S	Investment Management	CO2	Understand the details of Securities Analysis
5256	BBA – Bachelor of Business Administration	BNMC5S	Investment Management	CO3	Identify the characteristics of Portfolio Management
5256	BBA – Bachelor of Business Administration	BNMC5S	Investment Management	CO4	Understand in depth Portfolio Management Strategies
5256	BBA – Bachelor of Business Administration	BNMC5S	Investment Management	CO5	Specify the details of Mutual Funds
5256	BBA – Bachelor of Business Administration	BMAC5S	Management Accounting	CO4	Specify in depth cash flow statement
5256	BBA – Bachelor of Business Administration	BMAC5S	Management Accounting	CO5	Break even analysis and profit volume ratio
5256	BBA – Bachelor of Business Administration	BMAC5S	Management Accounting	CO6	Understand the classification and characteristics of budeting
5256	BBA – Bachelor of Business Administration	BMAC5S	Management Accounting	CO1	Identify in depth Introduction of management accounting
5256	BBA – Bachelor of Business Administration	BMAC5S	Management Accounting	CO2	Understand the classification and characteristics of Ratio analysis
5256	BBA – Bachelor of Business Administration	BMAC5S	Management Accounting	CO3	Learn the classification and characteristics of funds flow statement
5256	BBA – Bachelor of Business Administration	AFMC5S	Advanced Financial Management	CO1	Deliberate in depth Investment Decisions and Risk analysis
5256	BBA – Bachelor of Business Administration	AFMC5S	Advanced Financial Management	CO2	Learn the characteristics of Cost of Capital
5256	BBA – Bachelor of Business Administration	AFMC5S	Advanced Financial Management	CO3	Specify the characteristics of Capital Structure Theories
5256	BBA – Bachelor of Business Administration	AFMC5S	Advanced Financial Management	CO4	Understand the details of Dividend Theories
5256	BBA – Bachelor of Business Administration	AFMC5S	Advanced Financial Management	CO5	Understand the classification and characteristics of Planning and Forecasting Working Capital
5256	BBA – Bachelor of Business Administration	AFMC5S	Advanced Financial Management	CO6	Learn the classification and characteristics of Corporate Valuation
5256	BBA – Bachelor of Business Administration	FMSC5S	Financial Markets & Services	CO1	Understand the characteristics of FINANCIAL MARKETS
5256	BBA – Bachelor of Business Administration	FMSC5S	Financial Markets & Services	CO2	Learn in details with application, if applicable, NON-BANKING FINANCIAL INTERMEDIARIES
5256	BBA – Bachelor of Business Administration	FMSC5S	Financial Markets & Services	CO3	Specify the characteristics of SEBI
5256	BBA – Bachelor of Business Administration	FMSC5S	Financial Markets & Services	CO4	Specify in details with application, if applicable, MUTUAL FUNDS
5256	BBA – Bachelor of Business Administration	FMSC5S	Financial Markets & Services	CO5	Deliberate in depth RECENT TRENDS IN FINANCIAL SERVICES
5256	BBA – Bachelor of Business Administration	MCBC5S	Consumer Behavior	CO1	Identify the classification and characteristics of INTRODUCTION

5256	BBA – Bachelor of Business Administration	MCBC5S	Consumer Behavior	CO2	Specify the characteristics of INTRODUCTION INDIVIDUAL DETERMINANTS OF CONSUMER BEHAVIOUR
5256	BBA – Bachelor of Business Administration	MCBC5S	Consumer Behavior	CO3	Learn the characteristics of ENVIRONMENTAL DETERMINANTS OF CONSUMER BEHAVIOUR
5256	BBA – Bachelor of Business Administration	MCBC5S	Consumer Behavior	CO4	Learn the classification and characteristics of CONSUMER'S DECISION MAKING PROCESS
5256	BBA – Bachelor of Business Administration	MCBC5S	Consumer Behavior	CO5	Write down the characteristics of CONSUMER SATISFACTION & CONSUMERISM
5256	BBA – Bachelor of Business Administration	AMMC5S	Advertising & Media Management	CO1	Write down the classification and characteristics of Introduction and Basic Concepts
5256	BBA – Bachelor of Business Administration	AMMC5S	Advertising & Media Management	CO2	Identify the characteristics of Advertising and Campaign Planning
5256	BBA – Bachelor of Business Administration	AMMC5S	Advertising & Media Management	CO3	Learn the details of Creative Strategy & Advertising Budget
5256	BBA – Bachelor of Business Administration	AMMC5S	Advertising & Media Management	CO4	Deliberate in depth Advertising Media Strategy
5256	BBA – Bachelor of Business Administration	AMMC5S	Advertising & Media Management	CO5	Learn in details with examples Advertising Effectiveness & Organising Advertisement Functions
5256	BBA – Bachelor of Business Administration	EWEC5S	Employee Welfare & Social Security	CO2	Understand in details with examples indian labour organization
5256	BBA – Bachelor of Business Administration	EWEC5S	Employee Welfare & Social Security	CO1	Deliberate the details of social and labour welfare
5256	BBA – Bachelor of Business Administration	EWEC5S	Employee Welfare & Social Security	CO5	Specify the classification and characteristics of ESI Schmes
5256	BBA – Bachelor of Business Administration	EWEC5S	Employee Welfare & Social Security	CO4	Understand the classification and characteristics of labour administration
5256	BBA – Bachelor of Business Administration	EWEC5S	Employee Welfare & Social Security	CO3	Deliberate in details with application, if applicable, social security
5256	BBA – Bachelor of Business Administration	HRMC5S	Strategic HRM	CO1	Deliberate in details with application, if applicable, INTRODUCTION TO STRATEGIC HRM
5256	BBA – Bachelor of Business Administration	HRMC5S	Strategic HRM	CO2	Write down in details with application, if applicable, INVESTMENT PERSPECTIVES OF HR
5256	BBA – Bachelor of Business Administration	HRMC5S	Strategic HRM	CO3	Deliberate in details with application, if applicable, MANAGING STRATEGIC ORGANIZATION
5256	BBA – Bachelor of Business Administration	HRMC5S	Strategic HRM	CO4	Understand in details with examples ESTABLISHING STRATEGIC PLANS
5256	BBA – Bachelor of Business Administration	HRMC5S	Strategic HRM	CO5	Understand the characteristics of GLOBAL HRM
5256	BBA – Bachelor of Business Administration	BNBC6S	International Business	CO1	Learn in details with examples INTRODUCTION TO INTERNATIONAL BUSINESS

5256	BBA – Bachelor of Business Administration	BNBC6S	International Business	CO2	Specify in details with examples MODES OF ENTRY INTO INTERNATIONAL BUSINESS
5256	BBA – Bachelor of Business Administration	BNBC6S	International Business	CO3	Write down in depth GLOBALIZATION
5256	BBA – Bachelor of Business Administration	BNBC6S	International Business	CO4	Specify in depth INTERNATIONAL MARKETING INTELLIGENCE
5256	BBA – Bachelor of Business Administration	BNBC6S	International Business	CO5	Identify the characteristics of EXIM TRADE
5256	BBA – Bachelor of Business Administration	BEBC6S	E-Business	CO1	Write down in details with application, if applicable, E-commerce
5256	BBA – Bachelor of Business Administration	BEBC6S	E-Business	CO2	Understand the classification and characteristics of Security for E-business
5256	BBA – Bachelor of Business Administration	BEBC6S	E-Business	CO3	Understand in details with examples E-payments
5256	BBA – Bachelor of Business Administration	BEBC6S	E-Business	CO4	Understand in depth E-Business Marketing Technologies
5256	BBA – Bachelor of Business Administration	BEBC6S	E-Business	CO5	Specify the characteristics of Cyber Laws
5256	BBA – Bachelor of Business Administration	BNTC6S	Income Tax	CO1	Understand in details with examples INTRODUCTION TO INCOME TAX
5256	BBA – Bachelor of Business Administration	BNTC6S	Income Tax	CO2	Understand the characteristics of INCOME FROM SALARY
5256	BBA – Bachelor of Business Administration	BNTC6S	Income Tax	CO3	Deliberate the classification and characteristics of INCOME FROM HOUSE PROPERTY
5256	BBA – Bachelor of Business Administration	BNTC6S	Income Tax	CO4	Specify the classification and characteristics of PROFITS AND GAINS FROM BUSINESS AND PROFESSION
5256	BBA – Bachelor of Business Administration	BNTC6S	Income Tax	CO5	Identify in details with application, if applicable, COMPUTATION OF TOTAL INCOME
5256	BBA – Bachelor of Business Administration	BSMC6S	Strategic Management Or Project	CO1	Deliberate in details with application, if applicable, INTRODUCTION TO STRATEGIC MANAGEMENT
5256	BBA – Bachelor of Business Administration	BSMC6S	Strategic Management Or Project	CO2	Understand in depth ENVIRONMENTAL APPRAISAL
5256	BBA – Bachelor of Business Administration	BSMC6S	Strategic Management Or Project	CO3	Understand the classification and characteristics of STRATEGIC PLANNING
5256	BBA – Bachelor of Business Administration	BSMC6S	Strategic Management Or Project	CO4	Learn the classification and characteristics of IMPLEMENTATION OF STRATEGY
5256	BBA – Bachelor of Business Administration	BSMC6S	Strategic Management Or Project	CO5	Identify the classification and characteristics of STRATEGY EVALUATION
5256	BBA – Bachelor of Business Administration	BNFC6S	International Finance	CO1	Deliberate the classification and characteristics of INTRODUCTION TO INTERNATIONAL FINANCE
5256	BBA – Bachelor of Business Administration	BNFC6S	International Finance	CO2	Specify the classification and characteristics of FOREIGN EXCHANGE AND BALANCE OF PAYMENTS
5256	BBA – Bachelor of Business Administration	BNFC6S	International Finance	CO3	Understand in depth INSTRUMENTS IN INTERNATIONAL FINANCIAL MARKETS

5256	BBA – Bachelor of Business Administration	BNFC6S	International Finance	CO4	Identify the classification and characteristics of FOREIGN EXCHANGE RISK
5256	BBA – Bachelor of Business Administration	BNFC6S	International Finance	CO5	Specify the classification and characteristics of INTERNATIONAL FINANCIAL INSTITUTIONS AND LIQUIDITY
5256	BBA – Bachelor of Business Administration	BSCC6S	Stock and Commodity Markets	CO1	Understand the details of AN OVERVIEW OF CAPITAL AND COMMODITY MARKETS:
5256	BBA – Bachelor of Business Administration	BSCC6S	Stock and Commodity Markets	CO2	Learn in details with examples STOCK MARKET
5256	BBA – Bachelor of Business Administration	BSCC6S	Stock and Commodity Markets	CO3	Identify the classification and characteristics of TRADING IN STOCK MARKET:
5256	BBA – Bachelor of Business Administration	BSCC6S	Stock and Commodity Markets	CO4	Identify in details with examples COMMODITY MARKET
5256	BBA – Bachelor of Business Administration	BSCC6S	Stock and Commodity Markets	CO5	Deliberate the characteristics of TRADING IN COMMODITY MARKETS
5256	BBA – Bachelor of Business Administration	BBMC6S	Brand Management	CO1	Identify the characteristics of PRODUCT MANAGEMENT
5256	BBA – Bachelor of Business Administration	BBMC6S	Brand Management	CO2	Specify the classification and characteristics of PRODUCT DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BBMC6S	Brand Management	CO3	Write down in depth MARKET POTENTIAL & SALES FORECASTING
5256	BBA – Bachelor of Business Administration	BBMC6S	Brand Management	CO4	Write down the classification and characteristics of BRAND MANAGEMENT
5256	BBA – Bachelor of Business Administration	BBMC6S	Brand Management	CO5	Identify the classification and characteristics of BRAND LEVERAGING AND BRAND PERFORMANCE
5256	BBA – Bachelor of Business Administration	BRMC6S	Retail Management	CO1	Identify the characteristics of INTRODUCTION TO RETAILING
5256	BBA – Bachelor of Business Administration	BRMC6S	Retail Management	CO2	Specify the characteristics of RETAIL CONSUMER BEHAVIOUR
5256	BBA – Bachelor of Business Administration	BRMC6S	Retail Management	CO3	Specify in details with application, if applicable, RETAIL OPERATIONS
5256	BBA – Bachelor of Business Administration	BRMC6S	Retail Management	CO4	Specify the details of RETAIL MARKETING MIX
5256	BBA – Bachelor of Business Administration	BRMC6S	Retail Management	CO5	Learn in details with application, if applicable, IMPACT OF IT IN RETAILING
5256	BBA – Bachelor of Business Administration	BCDC6S	Organizational Change & Development	CO1	Specify in depth CHANGE MANAGEMENT
5256	BBA – Bachelor of Business Administration	BCDC6S	Organizational Change & Development	CO2	Understand in details with application, if applicable, ORGANIZATION EFFECTIVENESS
5256	BBA – Bachelor of Business Administration	BCDC6S	Organizational Change & Development	CO3	Understand the characteristics of ORGANIZATIONAL DEVELOPMENT
5256	BBA – Bachelor of Business Administration	BCDC6S	Organizational Change & Development	CO4	Identify the details of OD INTERVENTIONS

5256	BBA – Bachelor of Business Administration	BCDC6S	Organizational Change & Development	CO5	Identify the details of CREATIVITY & INNOVATION
5256	BBA – Bachelor of Business Administration	BCMC6S	Compensation Management	CO1	Learn in details with application, if applicable, JOB EVALUATION AND PERFORMANCE APPRAISAL
5256	BBA – Bachelor of Business Administration	BCMC6S	Compensation Management	CO2	Write down the characteristics of COMPENSATION MANAGEMENT
5256	BBA – Bachelor of Business Administration	BCMC6S	Compensation Management	CO3	Write down the details of WAGE AND SALARY ADMINISTRATION
5256	BBA – Bachelor of Business Administration	BCMC6S	Compensation Management	CO4	Understand in details with application, if applicable, REWARDS AND INCENTIVES
5256	BBA – Bachelor of Business Administration	BCMC6S	Compensation Management	CO5	Learn the characteristics of REGULATORY BODIES FOR COMPENSATION MANAGEMENT
5257	MBA – Master of Business Administration	1.2	Managerial Accounting	CO2	Identify the details of Financial statement
5257	MBA – Master of Business Administration	1.2	Managerial Accounting	CO1	
5257	MBA – Master of Business Administration	1.5	Business Statistics	CO1	Students will achieve statistical literacy and the importance of analytical in business
5257	MBA – Master of Business Administration	1.5	Business Statistics	CO2	Students can work out fairly advanced level of problems related to correlation and regression
5257	MBA – Master of Business Administration	1.5	Business Statistics	CO3	Students will be able to conduct field work by setting hypothesis and proving and disproving through parametric and non parametric tests
5257	MBA – Master of Business Administration	1.5	Business Statistics	CO4	Students will appreciate the importance of decision theories and probability in the real time situations
5257	MBA – Master of Business Administration	1.3	Business planning and Regulations	CO1	Learn the classification and characteristics of business plan
5257	MBA – Master of Business Administration	2.6	Production and Operations Research	1	The emphasis will be on the concepts and application rather than derivations.
5257	MBA – Master of Business Administration	2.6	Production and Operations Research	2	The students acquire quantitative tools, and use these tools for the analysis and solution of business problems.
5257	MBA – Master of Business Administration	3.1	Strategic Management and Corporate Governance	3.1	
5257	MBA – Master of Business Administration	3.1	Strategic Management and Corporate Governance	0.1	This course will equip students with required skills of managerial decisions and actions
5257	MBA – Master of Business Administration	3.4	Corporate Tax Planning and Management	CO1	Understand in details with examples Assessment of Corporate Assessees
5257	MBA – Master of Business Administration	3.4	Corporate Tax Planning and Management	CO2	Learn in depth Tax Planning and Management

5257	MBA – Master of Business Administration	3.4	Corporate Tax Planning and Management	CO3	Identify in details with application, if applicable, Customs Duty
5257	MBA – Master of Business Administration	3.4	Corporate Tax Planning and Management	CO4	Identify in details with application, if applicable, Goods and Service Tax- Framework and Definitions
5257	MBA – Master of Business Administration	3.4	Corporate Tax Planning and Management	CO5	Specify the classification and characteristics of Valuation for GST and Computation of GST Liabilities
5257	MBA – Master of Business Administration	3.4	Corporate Tax Planning and Management	CO6	Understand in depth GST Procedures
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO3	Understand in details with application, if applicable, HIRE PURCHASE ACCOUNTING
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO4	Identify in details with examples DEPARTMENTAL ACCOUNTS
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO5	Learn in details with examples BRANCH ACCOUNTS
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO1	Write down in details with application, if applicable, THEORETICAL FRAMEWORK OF FINANCIAL ACCOUNTING
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO2	Deliberate in details with examples CONVERSION OF SINGLE ENTRY INTO DOUBLE ENTRY SYSTEM
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO10	Identify the characteristics of CONVERSION OF PARTNERSHIP FIRM INTO A LIMITED COMPANY
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO9	Identify the characteristics of CONVERSION OF SINGLE ENTRY INTO DOUBLE ENTRY SYSTEM
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO6	Understand in details with application, if applicable, INTRODUCTION TO FINANCIAL ACCOUNTING
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO7	Deliberate the characteristics of HIRE PURCHASE AND INSTALMENT SYSTEM
5260	B.COM	CC11N1	FINANCIAL ACCOUNTING	CO8	Write down the classification and characteristics of ROYALTY ACCOUNTS
5260	B.COM	CC11N2	INDIAN FINANCIAL INSTITUTIONS AND MARKETS	CO1	Deliberate in depth BASICS OF INDIAN FINANCIAL SYSTEM
5260	B.COM	CC11N2	INDIAN FINANCIAL INSTITUTIONS AND MARKETS	CO2	Learn in details with application, if applicable, BANKING INSTITUTIONS
5260	B.COM	CC11N2	INDIAN FINANCIAL INSTITUTIONS AND MARKETS	CO3	Deliberate the characteristics of REGULATORY INSTITUTIONS
5260	B.COM	CC11N2	INDIAN FINANCIAL INSTITUTIONS AND MARKETS	CO4	Learn in details with application, if applicable, NON-BANKING FINANCIAL INSTITUTIONS

5260	B.COM	CC11N2	INDIAN FINANCIAL INSTITUTIONS AND MARKETS	CO5	Identify in depth FINANCIAL MARKETS
5260	B.COM	CC11N3	BUSINESS DINAMICS AND ENTREPRENEURSHIP	CO1	Learn the classification and characteristics of introduction to management
5260	B.COM	CC11N3	BUSINESS DINAMICS AND ENTREPRENEURSHIP	CO2	Specify in details with application, if applicable, managerial functions
5260	B.COM	CC11N3	BUSINESS DINAMICS AND ENTREPRENEURSHIP	CO3	Understand the characteristics of human resource management
5260	B.COM	CC11N3	BUSINESS DINAMICS AND ENTREPRENEURSHIP	CO4	Identify in depth introduction to entrepreneurship
5260	B.COM	CC11N3	BUSINESS DINAMICS AND ENTREPRENEURSHIP	CO5	Identify in details with examples government support for entrepreneurship
5260	B.COM	CC11N4	CORPORATE STRUCTURE AND ADMINISTRATION	CO1	Identify the details of Unit 1: FORMATION OF A JOINT STOCK COMPANY
5260	B.COM	CC11N4	CORPORATE STRUCTURE AND ADMINISTRATION	CO2	Understand in depth Unit 2: CAPITAL OF A COMPANY
5260	B.COM	CC11N4	CORPORATE STRUCTURE AND ADMINISTRATION	CO3	Deliberate the details of Unit 3: ADMINISTRATION OF A COMPANY
5260	B.COM	CC11N4	CORPORATE STRUCTURE AND ADMINISTRATION	CO4	Understand the details of Unit 4: CORPORATE MEETINGS
5260	B.COM	CC11N4	CORPORATE STRUCTURE AND ADMINISTRATION	CO5	Identify the details of Unit 5: STRUCTURE AND ADMINISTRATION OF GLOBAL COMPANIES
5260	B.COM	CC22N1	ADVANCED FINANCIAL ACCOUNTING	CO2	UNIT 2 Details with practical sums of CONSIGNMENT ACCOUNTS
5260	B.COM	CC22N1	ADVANCED FINANCIAL ACCOUNTING	CO3	UNIT 3 practical sums on JOINT VENTURES
5260	B.COM	CC22N1	ADVANCED FINANCIAL ACCOUNTING	CO4	UNIT 4 practical sums on BRANCH ACCOUNTS
5260	B.COM	CC22N1	ADVANCED FINANCIAL ACCOUNTING	CO5	UNIT 5 practical sums on DEPARTMENTAL ACCOUNTS
5260	B.COM	CC22N1	ADVANCED FINANCIAL ACCOUNTING	CO1	UNIT 1 Details with examples of INSURANCE CLAIMS (PRACTICAL SUMS)
5260	B.COM	CC22N2	RETAIL MGT	CO1	UNIT 1 to understand the concepts of INTRODUCTION TO RETAIL BUSINESS
5260	B.COM	CC22N2	RETAIL MGT	CO2	UNIT 2 to understand the details of consumer behaviour in retail business
5260	B.COM	CC22N2	RETAIL MGT	CO3	UNIT 3 to understand the details of RETAIL OPERATIONS
5260	B.COM	CC22N2	RETAIL MGT	CO4	UNIT 4 to understand the elements of MARKETING MIX

5260	B.COM	CC22N2	RETAIL MGT	CO5	UNIT 5 to understand the IMPACT OF IT IN RETAILING
5260	B.COM	CC22N3	BANKING LAW & OPERATIONS	CO2	collecting banker
5260	B.COM	CC22N3	BANKING LAW & OPERATIONS	CO4	Write down in depth lending operations
5260	B.COM	CC22N3	BANKING LAW & OPERATIONS	CO5	Identify in depth banking innovations
5260	B.COM	CC22N3	BANKING LAW & OPERATIONS	CO3	Write down in depth paying banker
5260	B.COM	CC22N3	BANKING LAW & OPERATIONS	CO1	Write down in details with application, if applicable, banking and customer relation
5260	B.COM	CC22N4	Q.A.B.D	CO1	Specify the characteristics of INTRODUCTION TO STATISTICS
5260	B.COM	CC22N4	Q.A.B.D	CO2	Identify the details of CLASSIFICATION AND TABULATION OF DATA
5260	B.COM	CC22N4	Q.A.B.D	CO3	Write down in details with application, if applicable, MEASURES OF CENTRAL TENDENCY
5260	B.COM	CC22N4	Q.A.B.D	CO4	Write down in depth MEASURES OF DISPERSION AND SKEWNESS
5260	B.COM	CC22N4	Q.A.B.D	CO5	Specify in details with application, if applicable, INDEX NUMBERS
5260	B.COM	ENG3C3	Genreal English	CO3	Specify in details with examples PROSE
5260	B.COM	ENG3C3	Genreal English	CO4	Learn in details with examples PROSE
5260	B.COM	ENG3C3	Genreal English	CO1	Identify the details of Business letters
5260	B.COM	ENG3C3	Genreal English	CO2	Identify the classification and characteristics of Business letters
5260	B.COM	CC13N1	CORPORATE ACCOUNTING	CO1	Learn in details with examples UNDERWRITING OF SHARES
5260	B.COM	CC13N1	CORPORATE ACCOUNTING	CO2	Specify in depth PROFIT PRIOR TO INCORPORATION
5260	B.COM	CC13N1	CORPORATE ACCOUNTING	CO3	Learn the classification and characteristics of VALUATION OF GOODWILL
5260	B.COM	CC13N1	CORPORATE ACCOUNTING	CO4	Identify the characteristics of VALUATION OF SHARES
5260	B.COM	CC13N1	CORPORATE ACCOUNTING	CO5	Learn in depth COMPANY FINAL ACCOUNTS
5260	B.COM	CC13N3	BUSINESS ETHICS	CO1	Learn the classification and characteristics of introduction to business ethics
5260	B.COM	CC13N3	BUSINESS ETHICS	CO2	Understand the details of personal ethics
5260	B.COM	CC13N3	BUSINESS ETHICS	CO3	Identify in details with application, if applicable, ethics in management
5260	B.COM	CC13N3	BUSINESS ETHICS	CO4	Identify the details of role of corporate culture in business

5260	B.COM	CC13N3	BUSINESS ETHICS	CO5	Learn in details with application, if applicable, corporate governance
5260	B.COM	CC13N2	FINANCIAL MGT	CO1	Specify in depth INTRODUCTION FINANCIAL MANAGEMENT
5260	B.COM	CC13N2	FINANCIAL MGT	CO2	Deliberate in depth TIME VALUE OF MONEY
5260	B.COM	CC13N2	FINANCIAL MGT	CO3	Write down in details with examples INVESTMENT & DIVIDEND DECISION
5260	B.COM	CC13N2	FINANCIAL MGT	CO4	Write down in depth FINANCING DECISION
5260	B.COM	CC13N2	FINANCIAL MGT	CO5	Deliberate in details with examples FINANCING DECISION
5260	B.COM	CC13N2	FINANCIAL MGT	CO6	Write down in depth WORKING CAPITAL MANAGEMENT
5260	B.COM	CC13N4	QABD-II	CO1	Write down the characteristics of UNIT 1 : CORRELATION AND REGRESSION ANALYSIS
5260	B.COM	CC13N4	QABD-II	CO2	Identify in details with application, if applicable, UNIT 2 : TIME SERIES
5260	B.COM	CC13N4	QABD-II	CO3	Identify the characteristics of UNIT 3 : INTERPOLATION AND EXTRAPOLATION
5260	B.COM	CC13N4	QABD-II	CO4	Understand the characteristics of UNIT 4 : SAMPLING AND SAMPLING DISTRIBUTION
5260	B.COM	CC13N4	QABD-II	CO5	Identify in details with application, if applicable, UNIT 5 : PROBABILITY
5260	B.COM	CC13N5	PUBLIC RELATION & CORPORATE COMMUNICATION	CO1	Identify in details with application, if applicable, UNIT 1 ATTITUDE AND EMOTIONAL INTELLIGENCE
5260	B.COM	CC13N5	PUBLIC RELATION & CORPORATE COMMUNICATION	CO2	Identify in details with examples UNIT 2 VISION GOAL SETTING AND TIME MANAGEMENT
5260	B.COM	CC13N5	PUBLIC RELATION & CORPORATE COMMUNICATION	CO3	Specify the details of UNIT 3 CREATIVITY
5260	B.COM	CC13N5	PUBLIC RELATION & CORPORATE COMMUNICATION	CO4	Identify in details with examples UNIT 4 COMMUNICATION SKILLS
5260	B.COM	CC13N5	PUBLIC RELATION & CORPORATE COMMUNICATION	CO5	Write down in details with examples UNIT 5 CAREER PLANNING
5260	B.COM	CC14N1	ADVANCED CORPORATE ACCOUNTING	CO1	Learn the classification and characteristics of REDEMPTION OF PREFERENCE SHARES
5260	B.COM	CC14N1	ADVANCED CORPORATE ACCOUNTING	CO2	Specify the characteristics of MERGERS AND ACQUISITION OF COMPANIES

5260	B.COM	CC14N1	ADVANCED CORPORATE ACCOUNTING	CO3	Learn in details with examples INTERNAL RECONSTRUCTION
5260	B.COM	CC14N1	ADVANCED CORPORATE ACCOUNTING	CO4	Identify in details with examples LIQUIDATION OF COMPANIES
5260	B.COM	CC14N1	ADVANCED CORPORATE ACCOUNTING	CO5	Deliberate the details of RECENT DEVELOPMENTS IN ACCOUNTING
5260	B.COM	CC14N2	COST ACCOUNTING	CO1	Deliberate the details of introduction to cost accounting
5260	B.COM	CC14N2	COST ACCOUNTING	CO2	Learn in details with application, if applicable, MATERIAL COST CONTROL
5260	B.COM	CC14N2	COST ACCOUNTING	CO5	Specify the details of RECONCILIATION OF COST AND FINANCIAL ACCOUNTS
5260	B.COM	CC14N2	COST ACCOUNTING	CO3	Specify in details with examples LABOUR COST CONTROL
5260	B.COM	CC14N2	COST ACCOUNTING	CO4	Understand in depth OVERHEAD COST CONTROL
5260	B.COM	CC14N3	E BUSINESS AND ACCOUNTING	CO1	Understand the details of E-BUSINESS
5260	B.COM	CC14N3	E BUSINESS AND ACCOUNTING	CO2	Specify the details of HARDWARE AND SOFTWARE FOR E-BUSINESS
5260	B.COM	CC14N3	E BUSINESS AND ACCOUNTING	CO3	Deliberate in depth GETTING STARTED WITH TALLY
5260	B.COM	CC14N3	E BUSINESS AND ACCOUNTING	CO4	Understand in depth CONFIGURING TALLY
5260	B.COM	CC14N3	E BUSINESS AND ACCOUNTING	CO5	Write down the classification and characteristics of REPORTS IN TALLY:
5260	B.COM	CC14N4	STOCK & COMMODITY MARKETS	CO1	Understand the characteristics of Capital and Commodities Markets
5260	B.COM	CC14N4	STOCK & COMMODITY MARKETS	CO2	Learn in details with examples Stock Market
5260	B.COM	CC14N4	STOCK & COMMODITY MARKETS	CO3	Write down the details of trading in Stock Market
5260	B.COM	CC14N4	STOCK & COMMODITY MARKETS	CO4	Identify the details of Commodities Market
5260	B.COM	CC14N4	STOCK & COMMODITY MARKETS	CO5	Deliberate in details with examples trading in Commodity Market
5260	B.COM	CC14N5	PRINCIPLES OF EVENT MGT	CO1	Identify in details with application, if applicable, INTRODUCTION TO EVENT MANAGEMENT
5260	B.COM	CC14N5	PRINCIPLES OF EVENT MGT	CO2	Specify in details with application, if applicable, 2-EVENT MANAGEMENT PROCEDURE
5260	B.COM	CC14N5	PRINCIPLES OF EVENT MGT	CO3	Identify in depth CONDUCT OF AN EVENT.

5260	B.COM	CC14N5	PRINCIPLES OF EVENT MGT	CO4	Understand the details of PUBLIC RELATIONS
5260	B.COM	CC14N5	PRINCIPLES OF EVENT MGT	CO5	Write down in depth CORPORATE EVENTS
5260	B.COM	CC15N3	INCOME TAX-I	CO1	Understand and compute different types of Residential status of individual
5260	B.COM	CC15N3	INCOME TAX-I	CO2	Understand the classification and characteristics of Computation of taxable income from salary
5260	B.COM	CC15N3	INCOME TAX-I	CO3	Understand the characteristics of Computation of taxable income from House property
5260	B.COM	CC15N3	INCOME TAX-I	CO4	Understand the concept of Capital and Revenue under Income tax law
5260	B.COM	CC15N4	COSTING METHODS	CO1	Understand in depth INTRODUCTION TO COSTING METHODS
5260	B.COM	CC15N4	COSTING METHODS	CO2	Deliberate the classification and characteristics of JOB AND BATCH COSTING
5260	B.COM	CC15N4	COSTING METHODS	CO3	Learn the details of PROCESS COSTING
5260	B.COM	CC15N4	COSTING METHODS	CO4	Write down in depth CONTRACT COSTING
5260	B.COM	CC15N4	COSTING METHODS	CO5	Deliberate in details with examples OPERATING COSTING
5260	B.COM	CC15N1	ENTERPRENERUSHIP DEV.	CO1	Identify the details of introduction to entrepreneurship
5260	B.COM	CC15N1	ENTERPRENERUSHIP DEV.	CO2	Write down the details of small scale industries
5260	B.COM	CC15N1	ENTERPRENERUSHIP DEV.	CO3	Learn the classification and characteristics of formation of small scale industries
5260	B.COM	CC15N1	ENTERPRENERUSHIP DEV.	CO4	Write down in details with examples preparing the business plan
5260	B.COM	CC15N1	ENTERPRENERUSHIP DEV.	CO5	Understand the details of project assistance
5260	B.COM	CC15N2	IFRS	CO1	Specify in details with application, if applicable, International Financial Reporting Standards:
5260	B.COM	CC15N2	IFRS	CO2	Specify the classification and characteristics of Accounting for Assets and Liabilities
5260	B.COM	CC15N2	IFRS	CO3	Understand in details with examples Presentation of Financial Statements
5260	B.COM	CC15N2	IFRS	CO4	Learn in depth Accounts of Groups:
5260	B.COM	CCE5N1	ADVANCED ACCOUNTING	CO1	Identify in details with examples UNIT 1: ACCOUNTS OF BANKING COMPANIES
5260	B.COM	CCE5N1	ADVANCED ACCOUNTING	CO2	Understand in details with application, if applicable, UNIT 2: ACCOUNTS OF INSURANCE COMPANIES
5260	B.COM	CCE5N1	ADVANCED ACCOUNTING	CO3	Write down in depth UNIT 3: INFLATION ACCOUNTING
5260	B.COM	CCE5N1	ADVANCED ACCOUNTING	CO4	Understand the details of UNIT 4: FARM ACCOUNTING

5260	B.COM	CCE5N1	ADVANCED ACCOUNTING	CO5	Write down the characteristics of UNIT 5: INVESTMENT ACCOUNTING
5260	B.COM	CCE6N9	G.S.T	CO1	Identify in details with examples introduction to goods and service tax
5260	B.COM	CCE6N9	G.S.T	CO2	Understand in depth goods and service tax act
5260	B.COM	CCE6N9	G.S.T	CO3	Deliberate the characteristics of procedure and levy under goods and service tax
5260	B.COM	CCE6N9	G.S.T	CO4	Understand in depth assessment and returns
5260	B.COM	CCE6N9	G.S.T	CO5	Learn in details with examples GST and technology
5260	B.COM	CCE61N	INT FINANCIAL MGT	CO1	Understand in depth UNIT 1 : INTRODUCTION TO INTERNATIONAL FINANCIAL MANAGEMENT
5260	B.COM	CCE61N	INT FINANCIAL MGT	CO2	Specify the classification and characteristics of UNIT 2 : WORKING CAPITAL MANAGEMENT
5260	B.COM	CCE61N	INT FINANCIAL MGT	CO3	Learn in details with examples UNIT 3 : INVESTMENT APPRAISAL
5260	B.COM	CCE61N	INT FINANCIAL MGT	CO4	Specify the details of UNIT 4 : BUSINESS FINANCE
5260	B.COM	CCE61N	INT FINANCIAL MGT	CO5	Write down in details with examples UNIT 5 : BUSINESS VALUATION
5260	B.COM	CC16N4	MANAGEMENT ACCOUNTING	CO1	Write down in depth introduction to management accountng
5260	B.COM	CC16N4	MANAGEMENT ACCOUNTING	CO5	Understand the details of management reporting
5260	B.COM	CC16N4	MANAGEMENT ACCOUNTING	CO2	Understand the details of ratio analysis
5260	B.COM	CC16N4	MANAGEMENT ACCOUNTING	CO3	Write down in depth fund flow analysis
5260	B.COM	CC16N4	MANAGEMENT ACCOUNTING	CO4	Learn in depth cash flow analysis
5260	B.COM	CC16N1	BUSINESS REGULATIONS	CO2	Specify the characteristics of CONTRACT LAWS
5260	B.COM	CC16N1	BUSINESS REGULATIONS	CO3	Identify the characteristics of COMPETITION AND CONSUMER LAWS
5260	B.COM	CC16N1	BUSINESS REGULATIONS	CO4	Learn the classification and characteristics of ECONOMIC LAWS
5260	B.COM	CC16N1	BUSINESS REGULATIONS	CO5	Specify in details with examples ENVIRONMENTAL LAWS
5260	B.COM	CC16N1	BUSINESS REGULATIONS	CO1	Specify in depth INTRODUCTION TO BUSINESS LAWS
5260	B.COM	CC16N2	PRINCIPLES & PRACTICE OF AUDITING	CO1	Understand in details with examples INTRODUCTION TO AUDITING

5260	B.COM	CC16N2	PRINCIPLES & PRACTICE OF AUDITING	CO2	Learn the characteristics of INTERNAL CONTROL
5260	B.COM	CC16N2	PRINCIPLES & PRACTICE OF AUDITING	CO3	Specify in depth VOUCHING
5260	B.COM	CC16N2	PRINCIPLES & PRACTICE OF AUDITING	CO4	Specify the characteristics of VERIFICATION AND VALUATION OF ASSETS AND LIABILITIES
5260	B.COM	CC16N2	PRINCIPLES & PRACTICE OF AUDITING	CO5	Identify in details with examples AUDIT OF LIMITED COMPANIES AND OTHERS
5260	B.COM	CCE6N1	BUSINESS TAXATION-II	CO1	Deliberate the classification and characteristics of CUSTOMS ACT
5260	B.COM	CCE6N1	BUSINESS TAXATION-II	CO2	Deliberate the details of SALES TAX / CENTRAL SALES TAX
5260	B.COM	CCE6N1	BUSINESS TAXATION-II	CO3	Write down in details with examples ASSESSMENT OF FIRMS
5260	B.COM	CCE6N1	BUSINESS TAXATION-II	CO4	Learn in details with examples ASSESSMENT OF COMPANIES
5260	B.COM	CCE6N2	COST MGT	CO1	Learn in details with application, if applicable, COST CONTROL AND COST REDUCTION
5260	B.COM	CCE6N2	COST MGT	CO2	Learn the characteristics of MARGINAL COSTING
5260	B.COM	CCE6N2	COST MGT	CO3	Deliberate in details with examples STANDARD COSTING
5260	B.COM	CCE6N2	COST MGT	CO4	Understand the classification and characteristics of BUDGETARY CONTROL
5260	B.COM	CCE6N2	COST MGT	CO5	Learn in details with application, if applicable, ACTIVITY BASED COSTING
5260	B.COM	CCE6F1	PERFORMANCE MGT	CO1	Understand in depth SPECIALIST COST AND MANAGEMENT ACCOUNTING TECHNIQUES
5260	B.COM	CCE6F1	PERFORMANCE MGT	CO4	Specify the classification and characteristics of PERFORMANCE MEASUREMENT AND CONTROL
5260	B.COM	CCE6F1	PERFORMANCE MGT	CO2	Identify the characteristics of DECISION MAKING TECHNIQUES
5260	B.COM	CCE6F1	PERFORMANCE MGT	CO3	Learn the classification and characteristics of BUDGETING AND CONTROL
5260	B.COM	CCE6F2	INT. AUDITING & ASSURANCE	CO1	Identify the details of audit framework and regulation
5260	B.COM	CCE6F2	INT. AUDITING & ASSURANCE	CO2	Identify the characteristics of planning and risk assessment
5260	B.COM	CCE6F2	INT. AUDITING & ASSURANCE	CO3	Deliberate the classification and characteristics of internal control
5260	B.COM	CCE6F2	INT. AUDITING & ASSURANCE	CO4	Deliberate the details of audit evidence

5260	B.COM	CCE6F2	INT. AUDITING & ASSURANCE	CO5	Deliberate in details with examples review and reporting
5260	B.COM	2.4	BANKING OPERATIONS AND INNOVATIONS	CO1	UNIT 1 to understand about NEGOTIABLE INSTRUMENTS
5260	B.COM	2.4	BANKING OPERATIONS AND INNOVATIONS	CO2	UNIT 2 to understand about types and nature of CUSTOMER AND BANKER RELATIONSHIP
5260	B.COM	2.4	BANKING OPERATIONS AND INNOVATIONS	CO3	UNIT 3 to understand about actual BANKING OPERATIONS
5260	B.COM	2.4	BANKING OPERATIONS AND INNOVATIONS	CO4	UNIT 4 to know about nature and types of CUSTOMER AND ACCOUNT HOLDERS
5260	B.COM	2.4	BANKING OPERATIONS AND INNOVATIONS	CO5	UNIT 5 to understand about recent BANKING INNOVATIONS
5260	B.COM	2.5	MODERN MARKETING	CO1	Deliberate in details with application, if applicable, introduction to marketing
5260	B.COM	2.5	MODERN MARKETING	CO2	Deliberate in details with application, if applicable, marketing environment
5260	B.COM	2.5	MODERN MARKETING	CO3	Deliberate the classification and characteristics of marketing mix
5260	B.COM	2.5	MODERN MARKETING	CO4	Write down in depth digital marketing
5260	B.COM	2.5	MODERN MARKETING	CO5	Specify the classification and characteristics of service marketing
5260	B.COM	ENG1C1	General English	CO1	Understand in details with examples 1) language skill 2) true love demand sacrifice 3) acceptance of LGBT community 4) sporting spirit 5) marriage is a private affair 6) towards a competitive nation 7) freedom and choice in education
5260	B.COM	ENG1C1	General English	CO2	Learn the classification and characteristics of 1) language skill 2) true love demand sacrifice 3) acceptance of LGBT community 4) sporting spirit 5) marriage is a private affair 6) towards a competitive nation 7) freedom and choice in education
5266	BA (Psychology/ Journalism/ Optional English)	A0291	Basic Psychological Processes I	CO6	define psychology
5266	BA (Psychology/ Journalism/ Optional English)	A0291	Basic Psychological Processes I	CO1	Understand the classification and characteristics of perspectives of psychology
5266	BA (Psychology/ Journalism/ Optional English)	A0291	Basic Psychological Processes I	CO2	Learn the classification and characteristics of intelligence
5266	BA (Psychology/ Journalism/ Optional English)	A0291	Basic Psychological Processes I	CO3	Understand in systems of memory

5266	BA (Psychology/ Journalism/ Optional English)	A0291	Basic Psychological Processes I	CO4	types of learning and its applications
5266	BA (Psychology/ Journalism/ Optional English)	A0291	Basic Psychological Processes I	CO5	theories, drives, incentives, Maslow's hierarchy of needs
5266	BA (Psychology/ Journalism/ Optional English)	B0291	British Literature - Romantic Age and Facets of Language	CO1	Understand in details with examples age of transition
5266	BA (Psychology/ Journalism/ Optional English)	B0291	British Literature - Romantic Age and Facets of Language	CO2	Write down in depth romantic age
5266	BA (Psychology/ Journalism/ Optional English)	B0291	British Literature - Romantic Age and Facets of Language	CO3	Understand the details of poetry and its defence
5266	BA (Psychology/ Journalism/ Optional English)	B0291	British Literature - Romantic Age and Facets of Language	CO4	Specify in details with application, if applicable, facets of language
5266	BA (Psychology/ Journalism/ Optional English)	B0291	British Literature - Romantic Age and Facets of Language	CO5	Specify in details with examples victorian age
5266	BA (Psychology/ Journalism/ Optional English)	B0361	Basic Psychological Processes II	CO1	Deliberate in details with theories and measuring personality
5266	BA (Psychology/ Journalism/ Optional English)	B0361	Basic Psychological Processes II	CO2	Specify in details with thinking. types of thinking reasoning, problem solving, decision making
5266	BA (Psychology/ Journalism/ Optional English)	B0361	Basic Psychological Processes II	CO3	neurons, central nervous system, endocrine system
5266	BA (Psychology/ Journalism/ Optional English)	B0361	Basic Psychological Processes II	CO4	theories and elements of emotions
5266	BA (Psychology/ Journalism/ Optional English)	B0361	Basic Psychological Processes II	CO5	Learn the classification and characteristics of sensation and perception, threshold, constancy
5266	BA (Psychology/ Journalism/ Optional English)	AP4C3S	Child Development -I	CO1	Write down in details with application, if applicable, careers of child psychology
5266	BA (Psychology/ Journalism/ Optional English)	AP4C3S	Child Development -I	CO2	Specify the details of genetic foundation, abnormalities, cell division
5266	BA (Psychology/ Journalism/ Optional English)	AP4C3S	Child Development -I	CO3	Deliberate the details of stages, factors influencing, assessment , birth process prenatal development
5266	BA (Psychology/ Journalism/ Optional English)	AP4C3S	Child Development -I	CO4	Specify the details of emotional development
5266	BA (Psychology/ Journalism/ Optional English)	AP4C3S	Child Development -I	CO5	Deliberate in details with social development

5266	BA (Psychology/ Journalism/ Optional English)	AP4C3S	Child Development -I	CO6	Identify the classification and characteristics of motor development
5266	BA (Psychology/ Journalism/ Optional English)	ENGC3S	General English	ENG CO2	Encourage the use of strategies, such as contextualization of new vocabulary, use of previewing, skimming and scanning techniques, and knowledge of text organisation and discourse markers, to aid the comprehension of written and spoken language.E
5266	BA (Psychology/ Journalism/ Optional English)	ENGC3S	General English	ENG CO3	Demonstrate an awareness of the significance of literature and of literary forms by being conversant about the functions of texts and their relations with historical, social, and political contexts.
5266	BA (Psychology/ Journalism/ Optional English)	ENGC3S	General English	ENG CO4	Create awareness about the new learning styles to comprehend the theme and genre and the relevance of it in a better and deeper way and also to increase the competence in the use of ICT so that learners may more effectively achieve academic goals.
5266	BA (Psychology/ Journalism/ Optional English)	ENGC3S	General English	ENG CO5	Learn and practice academic paragraph and essay elements including a central idea supported by relevant details and transition, with unity and organisation
5266	BA (Psychology/ Journalism/ Optional English)	ENGC3S	General English	ENG CO1	Develop English language skills inlistening, speaking, reading and writing by having learners engage in a range of communicative tasks and activities suiting indian context
5266	BA (Psychology/ Journalism/ Optional English)	AP4C4S	Child Development -II	CO1	Deliberate in details with theories moral development
5266	BA (Psychology/ Journalism/ Optional English)	AP4C4S	Child Development -II	CO2	Specify in details with identity, self concept and self development
5266	BA (Psychology/ Journalism/ Optional English)	AP4C4S	Child Development -II	CO3	Learn the characteristics of peer and schooling
5266	BA (Psychology/ Journalism/ Optional English)	AP4C4S	Child Development -II	CO4	Identify the details of childhood disorders like ADHD, conduct D/o, Anxiety D/o, depression, Symptoms , causes, treatments and outcomes
5266	BA (Psychology/ Journalism/ Optional English)	AP4C4S	Child Development -II	CO5	childhood disorders like Pervasive developmental D/o, Learning D/o, symptom D/o, therapies treatments and outcomes.
5266	BA (Psychology/ Journalism/ Optional English)	AP4C51	Abnormal psychology -I	CO1	statistical, social, mal adaptive, personal discomfort, classifications, myths
5266	BA (Psychology/ Journalism/ Optional English)	AP4C51	Abnormal psychology -I	CO2	Identify in depth theories of abnormality
5266	BA (Psychology/ Journalism/ Optional English)	AP4C51	Abnormal psychology -I	CO3	Deliberate in details with causes types and treatments of stress

5266	BA (Psychology/ Journalism/ Optional English)	AP4C51	Abnormal psychology -I	CO4	symptoms, causes, treatments of anxiety disorder
5266	BA (Psychology/ Journalism/ Optional English)	AP4C51	Abnormal psychology -I	CO5	Symptoms, causes treatments and outcomes of dissociative disorder
5266	BA (Psychology/ Journalism/ Optional English)	AP4C51	Abnormal psychology -I	CO6	Specify in depth somatoform disorders
5266	BA (Psychology/ Journalism/ Optional English)	AP4C52	Industrial Psychology - I	CO1	Specify the characteristics of introduction to Industrial psychology
5266	BA (Psychology/ Journalism/ Optional English)	AP4C52	Industrial Psychology - I	CO2	Write down the characteristics of job analysis and selection
5266	BA (Psychology/ Journalism/ Optional English)	AP4C52	Industrial Psychology - I	CO3	Learn the characteristics of employee attitude
5266	BA (Psychology/ Journalism/ Optional English)	AP4C52	Industrial Psychology - I	CO4	Write down the characteristics of motivation and reward systems
5266	BA (Psychology/ Journalism/ Optional English)	AP4C52	Industrial Psychology - I	CO5	Specify the details of consumer psychology
5266	BA (Psychology/ Journalism/ Optional English)	AP4C61	Abnormal psychology - II	CO1	clusters of personality disorders, symptoms and treatments
5266	BA (Psychology/ Journalism/ Optional English)	AP4C61	Abnormal psychology - II	CO2	Understand the classifications, Symptoms , causes, treatments and outcomes of schizophrenia
5266	BA (Psychology/ Journalism/ Optional English)	AP4C61	Abnormal psychology - II	CO3	Learn the classification Symptoms , causes, treatments and outcomes of mood disorders
5266	BA (Psychology/ Journalism/ Optional English)	AP4C61	Abnormal psychology - II	CO4	Deliberate the characteristics, Symptoms , causes, treatments and outcomes of mental retardation
5266	BA (Psychology/ Journalism/ Optional English)	AP4C61	Abnormal psychology - II	CO5	cognitive impairments Symptoms , causes, treatments and outcomes brain disorders
5266	BA (Psychology/ Journalism/ Optional English)	AP4C62	Industrial Psychology - II	CO1	Specify in details with examples performance appraisal
5266	BA (Psychology/ Journalism/ Optional English)	AP4C62	Industrial Psychology - II	CO2	Write down the details of training and development
5266	BA (Psychology/ Journalism/ Optional English)	AP4C62	Industrial Psychology - II	CO3	Write down the details of managing communications
5266	BA (Psychology/ Journalism/ Optional English)	AP4C62	Industrial Psychology - II	CO4	Write down in details with examples leadership, team work
5266	BA (Psychology/ Journalism/ Optional English)	AP4C62	Industrial Psychology - II	CO5	Specify the details of stress and counselling
5271	M.Com	1.1	Monetary System	CO1	Understand the characteristics of MONEY
5271	M.Com	1.1	Monetary System	CO2	Deliberate the details of INTRODUCTION TO MONETARY SYSTEM

5271	M.Com		1.1	Monetary System	CO3	Specify the details of INTERNATIONAL MONETARY SYSTEM
5271	M.Com		1.1	Monetary System	CO4	Specify in details with application, if applicable, INTERNATIONAL FINANCIAL SYSTEM
5271	M.Com		1.1	Monetary System	CO5	Write down in details with application, if applicable, BALANCE OF PAYMENT
5271	M.Com		1.4	Information Systems and Computers	CO1	Identify the details of Information system in business
5271	M.Com		1.4	Information Systems and Computers	CO2	Identify in details with application, if applicable, kinds of information system
5271	M.Com		1.4	Information Systems and Computers	CO3	Write down in depth ITGRC
5271	M.Com		1.4	Information Systems and Computers	CO4	Learn the characteristics of IT Act
5271	M.Com		1.4	Information Systems and Computers	CO5	Learn in details with application, if applicable, data base management system
5271	M.Com		1.4	Information Systems and Computers	CO6	Deliberate in depth Electronic spreadsheet
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT101		Cell Biology & Genetics	CO1	Journey of a cell - cell theory, cell division and cell death
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT101		Cell Biology & Genetics	CO2	Description of cell organelles
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT101		Cell Biology & Genetics	CO3	Understand the nature & significance of Genetic material & concepts of Genetics
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT101		Cell Biology & Genetics	CO4	Deviations in concepts of genetics
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT101		Cell Biology & Genetics	CO5	Understand Chromosomal variations, mapping, evolution, mutations & Cytoplasmic inheritance
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S		Chemistry-I	CO5	To study the properties of gases
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S		Chemistry-I	CO6	To know about Periodic Table, Classification, physical and chemical properties.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S		Chemistry-I	CO7	To know the factors affecting I.P, EA, EN & the diagonal relationship between Be & Al.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S		Chemistry-I	CO8	Comparative study of Chalcogens and halogens w.r.t Electronic Configuration, Atomic radii, Ionic radii etc.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S		Chemistry-I	CO9	To study Halides, oxides and carbonates of alkali and alkaline earth metals.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S		Chemistry-I	CO10	Introduction, Types, minimization of determinate errors, accuracy and precision.

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO11	To study Equivalent weights of acids, bases, salts, oxidizing and reducing agents.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO12	To understand Significant figures and their computations, Normality and Molarity. Numerical problems.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO13	Definition and explanation for homolytic and heterolytic cleavage. Explanation for electrophilic and nucleophilic Reagents.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO14	Types of reactions - addition, substitution and elimination. Definition & explanation for different types of isomers. Brief explanation for chiral centre and Tautomerism.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO15	Nomenclature of branched chain alkanes, preparation of symmetrical unsymmetrical alkanes. explanation of Corey- House reaction and Wurtz reaction - their merits and demerits.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO16	Conformational analysis of n-butane - Sawhorse & Newman projection formulae to be used -Energy profile diagram
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO17	Deliberate in details with examples Alkanes, Alkenes, Alkynes, Cycloalkanes and Dienes
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO1	To understand the basic interaction of molecule with light
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO2	To study the basic principles and applications of photochemical reactions
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO3	To study the properties of Liquids and solutions
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO4	Applications of Distribution Laws for liquids
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO20	Learn the details of Photochemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO21	Specify the classification and characteristics of Liquids and Solutions
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO22	Understand in depth Periodic Table and Periodic properties
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO23	Specify the details of Analytical Chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO24	Understand the classification and characteristics of Basic concepts in organic chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO25	Learn the characteristics of Aliphatic Hydrocarbons

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO26	Understand in details with application, if applicable, Aliphatic Hydrocarbons
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO18	Learn in details with application, if applicable, Mathematical Concepts for Chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C1S	Chemistry-I	CO19	Identify the characteristics of Gaseous state
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT101	Basic Microbiology	CO4	Definition of antibiotic, classification of antimicrobial drugs and their mode of action with suitable example.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT101	Basic Microbiology	CO5	Principle and applications of analytical instruments- Centrifuge, Ultracentrifuge, Spectrophotometer and Chromatography techniques.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT101	Basic Microbiology	CO6	Definition of Sterilization, methods of sterilization and mode of action of physical and chemical agents as sterilizing agents.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT101	Basic Microbiology	CO1	Unit 1: Introduction, History and Scope of Microbiology- Students will be able to discover the microbial world, origin of life on earth, the basic and applied aspects of microbiology as modern science, controversy over spontaneous generation, contributions of different scientists for microbiology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT101	Basic Microbiology	CO2	Microscopy- students will be able to understand basic principles of microscopy (resolution, magnification, numerical aperture and working distance). They will also be learning about a special technique called photomicrography, that is the fixing of DSLR camera to a normal microscope. They will be studying about differences between light and electron microscope. Working principle, construction and applications of different types of microscope is dealt. Light microscope include, bright field, dark field, florescence, phase contrast microscope. Electron microscopes include Scanning Electron Microscope (SEM) and Transmission Electron Microscope (TEM).

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT101	Basic Microbiology	CO3	Students will be able to know about nature of dyes, Physical and chemical theories of staining. Principle, procedure and applications of two different staining techniques like simple staining and differential staining techniques a) Simple staining includes negative and positive staining b) Differential staining includes Grams and acid fast staining c) Structural staining includes cell wall, endospore, flagella and capsular staining techniques
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT201	General Microbiology & Biostatistics	CO2	Importance of sterilization and its applications
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT201	General Microbiology & Biostatistics	CO3	Knowledge on structure, physiology & classification of microorganisms
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT201	General Microbiology & Biostatistics	CO4	understand the epidemiology, mechanism, symptoms & treatment of important human diseases
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT201	General Microbiology & Biostatistics	CO1	Knowledge on principle & construction of different types of microscopes
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT201	General Microbiology & Biostatistics	CO5	Application of statistics in biology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C2S	Chemistry-II	CO5	Specify in depth Silicates
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C2S	Chemistry-II	CO6	Identify in depth Noble gases
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C2S	Chemistry-II	CO7	Understand in depth General study of d and f block elements.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C2S	Chemistry-II	CO4	Learn the details of Aromatic hydrocarbons
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C2S	Chemistry-II	CO1	To learn the theories of chemical bonding of molecules
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C2S	Chemistry-II	CO2	To understand the basics of quantum chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C2S	Chemistry-II	CO3	To learn characteristic features of d- and f- block elements
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P2S	Chemistry practical-II	CO1	To learn the basics of physical chemistry experiments
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P2S	Chemistry practical-II	CO2	To learn handling of equipments and analyse the data
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P2S	Chemistry practical-II	CO1	To learn and Understand the Physical Properties Like Density, Viscosity and Surface tension of Different Liquids

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO1	Unit 1 The Microbial World- The study of various groups of microorganisms
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO2	Unit 2 Culturing of microorganisms
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO3	Unit 3 Microbial growth
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT301	Biological chemistry	CO4	To understand and apply biophysical and analytical techniques
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT301	Biological chemistry	CO5	To apply the applications of spectroscopic and isotope techniques
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT301	Biological chemistry	CO1	The course is intended to make the student understand the structures and functions of biomolecules.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT301	Biological chemistry	CO2	Identify in details with examples Biotechnology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT301	Biological chemistry	CO3	Identify the characteristics of Biological chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP302	Biological chemistry		Students are able to understand the importance of biomolecules with reference to their properties and functions in the living system.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO5	Identify the characteristics of Chemical Kinetics
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO6	Write down in details with examples ChemThermodynamics lical Kinetics
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO7	Understand in details with examples Thermodynamics II
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO8	Identify in details with examples Surface chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO9	Specify in details with application, if applicable, Organic and Inorganic Polymers
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO12	Identify in details with examples Organometallic compounds
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO10	Write down in depth Ethers and Epoxides
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO11	Deliberate the characteristics of Fertilizers
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO10	Identify in details with application, if applicable, Compounds of some Nonmetals
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO11	Write down the classification and characteristics of Metallurgy

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO8	Identify the characteristics of Alcohols and Thiols
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3C3S	Chemistry-III	CO9	Identify in depth Phenols
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3P3S	Chemistry practical-III	CO8	Identify in details with application, if applicable, Alcohols and Thiols
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3P3S	Chemistry practical-III	CO9	Understand in details with examples Ethers and Epoxides
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3P3S	Chemistry practical-III	CO5	Specify in details with application, if applicable, Thermodynamics I and II
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3P3S	Chemistry practical-III	CO4	Deliberate in depth Chemical Kinetics
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3P3S	Chemistry practical-III	CO7	Deliberate in details with application, if applicable, Surface chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3P3S	Chemistry practical-III	CO1	To have basic practical skills for the synthesis and analysis of organic compounds
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3P3S	Chemistry practical-III	CO2	To know and recall the fundamental principles of organic chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC3P3S	Chemistry practical-III	CO3	to make capable to describe the method of chromatography and its applications
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO1	Understanding enzymes in detail with its properties and applications
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO2	knowing the classification, characteristics and structure of Nucleic acids
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO3	Understanding of Genome organization and detailed process of DNA replication in prokaryotes and eukaryotes
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO4	Learn in details with examples about Genetic recombination and transposable elements in Bacteria
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO5	Study of Mutagenic agents, types of Mutations, Mutation detection techniques and its applications
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO6	understanding biomolecules and bioenergetics
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO7	Learning Oxidation reduction reaction and energy yielding pathways
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO8	understanding bacterial photosynthesis
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP302	Microbial Physiology & Microbial Genetics	CO2	Understand in details with application, if applicable, dna replication

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	ENG4S4	General English	CO1	DEVELOPING INDIVIDUAL IDENTITY
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	ENG4S4	General English	CO2	Identify the classification and characteristics of FDSGHDFWJHGE
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT401	Molecular biology	CO1	Understand the basic concepts of nucleic acids
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT401	Molecular biology	CO2	knowledge on central dogma of Molecular biology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT401	Molecular biology	CO3	Understand the gene organization, expression & regulation in Prokaryotes & Eukaryotes
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT401	Molecular biology	CO4	genetic recombination mechanism
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT401	Molecular biology	CO5	Transposable elements & its significance
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO3	Learning and Understanding the Nuclear and Radiochemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO8	Learn in depth Steel
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO9	Deliberate the details of Aldehydes and Ketones
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO10	Write down in depth Carboxylic acids and their derivatives.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO11	Write down the details of Tautomerism and Enolates
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO12	Identify the characteristics of Environmental Chemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO6	Deliberate in depth Aldehydes and ketones
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO1	Understanding the structure of Solids
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO2	Understanding the Phase rule and its Applications
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO1	Properties and applications of various steels
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO2	Condensation reactions and their mechanism
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4C4S	Chemistry-IV	CO3	Synthesis and important reactions of aldehydes and ketones

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4P4S	Chemistry practical-IV	CO1	Understanding the Analysis of Inorganic Saltmixures
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4P4S	Chemistry practical-IV	CO2	To learn how to analyse the salt mixture through a systematic analytical procedure
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4P4S	Chemistry practical-IV	CO3	To understand the concept of qualitative analysis
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC4P4S	Chemistry practical-IV	CO4	To determine the acid and base radicals by preliminary and confirmatory chemical tests
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO23	Study of gene regulation in prokaryotes
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO24	Knowing the details of DNA manipulative enzymes and vectors used in RDT
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO25	Understanding the construction and transformation of r DNA molecule and study of screening techniques
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO26	Study of molecular techniques and applications and hazards of genetic engineering
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO21	Understanding the types and functions of RNA molecules
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO22	understanding the gene expression- mechanism of transcription and translation in prokaryotes
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT501	Genetic Engineering & Environ. Biotechnology	CO3	To remember the basics of Screening and selection of recombinant host cells and apply construction of gene libraries, Molecular biology techniques
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT501	Genetic Engineering & Environ. Biotechnology	CO5	Analyse and understand the technology of bioremediation, treatment of municipal waste, industrial effluents, biofertilizers and bioleaching.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT501	Genetic Engineering & Environ. Biotechnology	CO4	Understand Renewable, Non-Renewable resources of energy, Conventional fuels and Modern fuels.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT501	Genetic Engineering & Environ. Biotechnology	CO1	To understand the concepts of Genetic Engineering and its tools.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT501	Genetic Engineering & Environ. Biotechnology	CO2	Apply the basics of In Vitro construction of recombinant DNA molecules and Transformation of r-DNA

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT502	Immunology & Animal Biotechnology	CO1	Understand the details of immunology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT502	Immunology & Animal Biotechnology	CO2	Learn the details of animal biotechnology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP503	Genetic Engineering & Environ. Biotechnology	CO1	Deliberate in depth calculation of income tax
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP503	Genetic Engineering & Environ. Biotechnology	CO2	Specify the details of genetic engg
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP504	Immunology & Animal Biotechnology	CO2	Types of Vaccination and immunization
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP504	Immunology & Animal Biotechnology	CO3	To understand the scope of animal cell culture and different methods employed in culture of animal cells
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP504	Immunology & Animal Biotechnology	CO4	To learn the expression of cloned proteins in animal cells and methods of growth factors, antibodies and vaccines production
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP504	Immunology & Animal Biotechnology	CO5	To understand the different techniques in transgenic animal production
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP504	Immunology & Animal Biotechnology	CO1	To study the history of Immunology, types of immunity, interaction of Ag-Ab and hypersensitivity reactions
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C51	Chemistry-V	CO1	Learning the synthesis and structural elucidation of citral,Zingiberene and nicotine
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C51	Chemistry-V	CO2	Deliberate in depth definition,classification,structures and impotances of terpenes and alkaloids
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C51	Chemistry-V	CO3	Learn the details of classification, preparation,properties.basicity and synthetic applications of amines
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C51	Chemistry-V	CO4	Understanding of Heterocyclic compounds in detail
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C51	Chemistry-V	CO5	structure elucidation of organic compounds using spectroscopic techniques
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C52	Chemistry-VI	CO1	Deliberate the details of Electrochemistry I
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C52	Chemistry-VI	CO2	Deliberate in details with application, if applicable, Electrochemistry II
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C52	Chemistry-VI	CO4	Deliberate in depth Physical properties and Molecular structures
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C52	Chemistry-VI	CO5	Specify in details with application, if applicable, Chemical Spectroscopy I

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C52	Chemistry-VI	CO6	Write down in details with application, if applicable, Chemical Spectroscopy II
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C52	Chemistry-VI	CO7	Identify the classification and characteristics of Electroanalytical Methods
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C52	Chemistry-VI	CO3	Deliberate in depth Ionic equilibria
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P51	Chemistry practical-V	CO1	To develop skills in doing experiments and handling instruments
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P51	Chemistry practical-V	CO2	To provide the fundamental concepts of physical chemistry lab
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P51	Chemistry practical-V	CO3	To skill in solving problems, critical thinking and analytical reasoning
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P52	Chemistry practical-VI	CO1	To get the practical knowledge about physical chemistry experiments.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P52	Chemistry practical-VI	CO2	Learning various titrimetric methods
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P52	Chemistry practical-VI	CO3	Skill development to make the reagents and solutions for lab
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT501	Agricultural & Environment Microbiology	CO1	Significance of soil and soil microbiology, soil structure and microorganisms found in soil. Details of different microbes- their role and characteristics (bacteria, fungi, actinomycetes, viruses, protozoans, algae) .
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT501	Agricultural & Environment Microbiology	CO2	Different microbes having positive or negative impact in agriculture. Types of interactions of microbes with plants. Role of microorganisms in different biogeochemical cycles. Different microbes acting as biofertilizers and biopesticides- mechanism and merits. Biodegradation of xenobiotic compounds and natural polymers. Phytopathogens -symptoms, host and control measures.

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT502	Food & Dairy Microbiology	CO1	PRACTICAL-Food Microbiology-• Understand the principles of microorganisms during various food-processing and preservation steps. • Comprehend the interactions between microorganisms and the food environment, and factors influencing their growth and survival. • Understand the significance and activities of microorganisms in food. • Recognize the characteristics of food-borne, waterborne and spoilage microorganisms, and methods for their isolation, detection and identification. • Analyze the importance of microbiological quality control programme's in food production. • Discuss the microbiology of different types of food commodities Dairy- Quality analysis of Milk like MBRT, SPC, DMC. Estimation of lactose and fat content in milk.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO2	Specify in depth Food and microorganisms, food spoilage, food poisoning, food preservation, microbial examination of food, microorganisms as food
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO2	Milk composition, Milk sterilization, Microbial analysis of milk, pasteurization, Sterilization and Dehydration, Yogurt and cheese production, Prebiotics and Probiotics, Lactic acid fermentation, Colour and Flavour- milk fermentation, Proteolysis
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO3	Microorganisms and Milk Physical and chemical properties of milk. Milk as a substrate for microorganisms. Types of microorganisms in Milk -bacteria, fungi and yeast. Sources of microbial contamination of milk -milch animal, utensils and equipment, water, milking environment,- personnel and packaging material.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO4	Microbiological analysis of milk Rapid platform tests -organoleptic, Clot on boiling (COB), titratable acidity, alcohol test, DMC, sedimentation test and pH. Standard plate count, reductase test - MBRT, Resazurin test
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO5	Methods of preservation of milk and milk products Pasteurization, sterilization and dehydration An account of condensed and dried milk
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO6	Fermentation in milk Souring, lactic acid fermentation, colour and flavour fermentation, gassy fermentation and proteolysis.

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO7	Fermented Milk Products Yogurt -Types & production Cheese - types and production -Cheddar & Cottage Cultured Butter milk. Genetic engineering and Dairy industry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT602	Industrial Biotechnology	CO1	Learn in details with application, if applicable, To know the concepts of industrial Biotechnology and fermentation technology.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT602	Industrial Biotechnology	CO2	Specify the classification and characteristics of To remember the basics of Screening, Isolation, maintenance of strains and Types of fermentation and fermenters.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT602	Industrial Biotechnology	CO3	Apply the basics of Process Development and Production of Microbial products
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT602	Industrial Biotechnology	CO4	Apply Enzyme Biotechnology and analyse Fermented foods.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTT602	Industrial Biotechnology	CO5	Understand the technique of mass culture and apply culture methods for Algae and microbial polysaccharides.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP603	Plant Biotechnology	CO3	Developing concepts in Biotechnology and Intellectual Property Rights (IPR)
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP603	Plant Biotechnology	CO4	Production of edible vaccines
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP603	Plant Biotechnology	CO5	Role of tissue culture in agriculture, horticulture and forestry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP603	Plant Biotechnology	CO1	To understand the basics of various invitro methods in plant biotechnology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP603	Plant Biotechnology	CO2	To learn the tranformation techniques involved in transgenic plant production
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP604	Industrial Biotechnology	CO1	To know the concepts of industrial Biotechnology and fermentation technology.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP604	Industrial Biotechnology	CO2	To remember the basics of Screening, Isolation, Maintenance of strains and Types of fermentation and Fermenters.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP604	Industrial Biotechnology	CO3	Identify in details with examples the basics of Process Development and Production of Microbial products
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP604	Industrial Biotechnology	CO4	Understand the classification and characteristics of applied enzyme biotechnology and analyse fermented foods.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	BTP604	Industrial Biotechnology	CO5	Understand the technique of mass culture and its application in production of algal and microbial polysaccharides

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C61	Chemistry-VII	CO1	To understand the chemistry of coordination compounds and their biological importance
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C61	Chemistry-VII	CO2	To learn the types and applications of industrial materials
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C61	Chemistry-VII	CO4	To learn about the organometallic compounds and their structure
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C61	Chemistry-VII	CO3	To introduce the newer materials in chemistry and to discuss their properties and relevance
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C62	Chemistry-VIII	CO2	Knowledge on metabolism of carbohydrates, lipids and proteins.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C62	Chemistry-VIII	CO1	Understanding of Carbohydrates, lipids, proteins with examples
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C62	Chemistry-VIII	CO3	Understand the principle, procedure and applications of Biochemical Techniques
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C62	Chemistry-VIII	CO4	Knowledge on Nucleic acids and enzymes
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1C62	Chemistry-VIII	CO5	understanding of molecular biology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P62	Chemistry practical VIII	CO1	To estimate particular biomolecules in the solution by various methods
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P62	Chemistry practical VIII	CO2	To learn about the basic experiments in biochemistry
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	SC1P62	Chemistry practical VIII	CO3	Colourimetric estimation of biomolecules
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology & Medical Microbiology	CO1	Learn the classification and characteristics of Isolation and identification of microorganisms from Ear, nose, throat and sputum.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology & Medical Microbiology	CO2	Write down in details with examples Isolation and identification of microorganisms from clinical samples -urine
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology & Medical Microbiology	CO3	Understand in depth Chemical analysis of urine -crystal identification, Determination of sugar and protein in urine samples
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology & Medical Microbiology	CO4	Learn the details of Blood grouping
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology & Medical Microbiology	CO5	Understand the details of Differential count of WBC. 1 unit
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology & Medical Microbiology	CO6	Write down in details with application, if applicable, Coagulase test

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO7	Understand the classification and characteristics of WIDAL test
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO8	Deliberate in details with examples VDRL test
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO9	Specify in details with examples Spot ELISA.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO10	Deliberate the details of ODD -Ouchtlerlony Double Diffusion
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO11	Understand in details with application, if applicable, RID - RadialImmuno Diffusion
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO12	Write down the classification and characteristics of Study of AFB –slide
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO13	Identify in details with application, if applicable, Study of pathogenic microorganisms –Shigella spp, Clostridium spp, Staphylococcus spp; Streptococcus spp, Entamoeba spp; Plasmodium spp, and Candida spp (Slides)
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT602	Industrial Microbiology &Microbial Technology	CO1	history of industrial microbiology- detail history of industrial microbiology with examples, its scope and development.
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT602	Industrial Microbiology &Microbial Technology	CO4	Fermentative production of economically important compounds, biofuels, vaccines, hormones and other commercially important products
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT602	Industrial Microbiology &Microbial Technology	CO2	Fermenter- Basic structure and its operation, downstream processing, fermentation process parameters and their regulation and important components involved
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBT602	Industrial Microbiology &Microbial Technology	CO3	Microbial Technology- industrial application of enzymes and cells
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO8	Deliberate in depth Tuberculosis
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO9	Understand in details with examples Viral Diseases a. Rabies
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO10	Identify the details of b. Hepatitis A,B
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO11	Understand the details of c. HIV
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO4	Understand in details with examples Important groups of pathogenic microorganisms
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO5	Learn in details with examples Bacterial Diseases a. Syphilis

5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO6	Deliberate in depth Diphtheria
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO7	Identify in details with application, if applicable, Cholera
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO12	Understand the details of Protozoan Diseases a. Amoebiasis
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO13	Deliberate the characteristics of b. Malaria
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO14	Learn the classification and characteristics of b. Cutaneous mycoses
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO1	Specify in details with application, if applicable, Major developments in medical microbiology
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO2	Learn in depth Factors responsible for microbial pathogenicity
5272	B.Sc (Biotechnology/ Chemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO3	Deliberate in details with examples Microbial flora of the human body
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-1	This course introduces the students to the basics of cell and its components
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-2	Describe the fundamental principles cellular biology and model organisms
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-3	Understand how cells grow, divide, and die and how these important processes are regulated
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-4	Understanding how these cellular components are used to generate and utilize energy in cells
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-5	The use of microscope equipment, interpretation and evaluation of ultrastructural data
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNP101	Fundamental of Cell Bioloty	GNP 101	FUNDAMENTALS OF CELL BIOLOGY
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO1	To learn the significance, conversions and applications of units
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO2	To study the importance of bonding and geomtries of molecules
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO4	To study the principles of Radioactivity and its applications
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO4	Specify the classification and characteristics of Solutions and Colligative properties
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO6	Learn in depth Acids,Bases and Buffers

5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO7	Identify in details with application, if applicable, Liquids
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO5	Deliberate in details with examples Electrochemistry
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	CO1	Deliberate in details with examples classification of antimicrobial drugs
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T1.1	Microbes and theories of origin of life on earth
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T1.2A	History of microbiology
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T1.2B	Scope of microbiology
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T1.3	Branches of Microbiology
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T1.4	Contribution of scientists to microbiology
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T2.1	Principles of microscopy
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T2.2	Principles of photomicrography
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T2.3	Dark field, phase contrast, fluorescent microscope
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T2.3B	Electron microscopes
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T4.1	Nature of dyes and stains
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T4.2	Physical and Chemical theories of Staining
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101UNI T4.3	Simple, Differential and structural staining

					Learn in details with application, if applicable, Safety measures in Laboratory, Study of student microscope and research microscope, Autoclave, hot air oven, Laminar air flow bench, Inoculation chamber, inoculation loop and needle, Incubator, centrifuge, pH meter, seitz filter, colony counter, membrane filter and colorimeter/spectrophotometer, Cleaning and sterilization of glassware, preparation of cotton plugs for test tubes and pipettes, wrapping of petriplates and pipettes, transfer of media and inoculum, Simple staining, Gram staining, cell wall, endospore staining and capsule staining
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP102	Basic Microbiology	CO1	
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-1	An overview of the principles of plant genetics including Mendelian, history of genetics and modern concepts of heredity.
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-2	The student will demonstrate knowledge of the basics principles of Mendelian genetics pea plant, law of segregation and law of independent assortment
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-3	The student will demonstrate deviations from classical Mendelian analysis, multiple analysis, and gene interactions
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-4	Gaining knowledge about the elements of Biometry mean, median, variance chi square student t test, probability and distribution
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-5	Understanding the basic concept on sex determinations, Environment, hormone control and sex differentiation in Drosophila and man
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO5	Deliberate the classification and characteristics of Solids
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO6	Learn the classification and characteristics of Phase Rule
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO7	Deliberate in details with application, if applicable, Chemical Equilibrium
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO8	Identify the details of Reaction Kinetics
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO9	Identify in details with examples Catalysis
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO6	Deliberate the classification and characteristics of Introduction to organic chemistry
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO7	Identify in details with examples Hydrocarbons

5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO8	Deliberate the characteristics of Cycloalkanes
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO9	Write down in depth Arenes
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO10	Write down in depth Alkylhalides and organometallic reactions
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO11	Identify in details with application, if applicable, Alcohols
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO12	Identify the characteristics of Phenols
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO13	Specify the details of Carbonyl compounds
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO5	Understand the details of Nutritional types of Microorganisms and growth curve and counting methods
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO4	Write down in details with examples Media, its components and classification of Media
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO1	Specify in depth Structure and properties of Virus
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO2	Deliberate in details with examples Structure and replication of Tobacco Mosaic Virus , Lambda Phage, T4 Bacteriophage, HIV and Herpes virus
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO3	Specify in depth Ultra structure of Bacterial Cell and fungal cell
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP202	Microbial Taxonomy & Culture Techniques	CO1	Identify the classification and characteristics of Structure and replication of Tobacco Mosaic Virus and Herpes virus
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP202	Microbial Taxonomy & Culture Techniques	CO2	Understand the characteristics of Structure and properties of Virus
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP202	Microbial Taxonomy & Culture Techniques	CO3	Identify the classification and characteristics of Structure and Replication of HIV
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT301	Cytogenetics	CO-1	Cytological responses in gene associated diseases
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT301	Cytogenetics	CO-2	Understand the cytogenetic aberrations related disorders
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT301	Cytogenetics	CO-3	Understand the transfer of alleles/traits from generation to generation in the development of organisms
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO5	To make them understand about Bio inorganic chemistry in biological system and environmental chemistry
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO6	To make them understand about the Environmental Toxicology with examples

5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO7	To make them understand about Identification and Separation Techniques its principle instrumentation and applications
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO1	Identify the classification and properties of carboxylic acids and Amines
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO2	Specify the properties, structures and importance of Terpenes and Alkaloids
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO3	Specify in details with examples of Heterocyclic compounds and its properties
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO4	Learn in details with examples, classification and importance of drugs
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO2	Understanding enzymes in detail with its properties and applications
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO2	Knowing the classification, characteristics and structure of nucleic acids
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO3	Understanding genome organization and detailed process of DNA replication in prokaryotes and eukaryotes
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO4	learn in detail with examples about genetic recombination and transposable elements in bacteria
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO5	study of mutation in detail
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO6	understanding biomolecules and bioenergetics
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO7	learning oxidation reduction reactions and energy yielding pathways
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO8	understanding bacterial photosynthesis
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP302	Microbial Physiology & Microbial Genetics	CO1	Understand the details of growth curve for fungi, IMViC, Fermentation of glucose, sucrose, and lactose, Fermentation of glucose, sucrose, and lactose, Mannitol motility test, Starch hydrolysis, Gelatin liquefaction test, Catalase, Oxidase test, Estimation of reducing sugar glucose, Estimation of Protein by Lowry's method, Effect of pH and temperature on bacterial growth, Conjugation, Transformation, Griffith's experiment and mechanism, Transduction -generalized and specialized ,
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT401	Molecular Genetics	CO-1	Provide basic information on the molecular mechanisms by which genetic material controls development, growth or morphological characteristics of organisms

5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT401	Molecular Genetics	CO-2	Understand the historical developments of scientific discoveries, and their impacts on the development of biological methods
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT401	Molecular Genetics	CO-3	Explain the introduction of mutations due to the gene alterations that can be used for development of therapeutic agents
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry-IV	CO7	Understanding of Nutrition in detail with examples
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry-IV	CO8	Understand the details of Macro and micro nutrients
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry-IV	CO6	Learn in details with examples of different types of tissues
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry-IV	CO5	Write down the mechanism of respiration
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry-IV	CO2	PHYSIOLOGY OF NERVOUS SYSTEM
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry-IV	CO3	IMPOTANC OF HORMONES OF DIFFERENT GLANDS
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry-IV	CO4	PHYSIOLOGY OF CARDIOVASCULAR SYSTEM
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry-IV	CO1	IMPOTANCE AND ENZYMES INVOLVED IN DIGESTION
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO1	Understanding the types and functions of RNA molecules
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO2	Understanding the mechanism of transcription and translation in prokaryotes
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO3	study of gene regulation in prokaryotes
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO4	study of DNA manipulative enzymes and vectors used in RDT
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO5	Understanding the construction and transformation of r DNA molecule and study of screening techniques

5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO6	study of molecular techniques and applications and hazards of genetic engineering
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT501	Recombinant DNA Technology	CO-2	Provide the knowledge on application of recombinant DNA technology in the field of agriculture, environment and biomedical.
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT501	Recombinant DNA Technology	CO-3	Explains the methods of cloning, genetic manipulation and their application in genetic analysis.
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT501	Recombinant DNA Technology	CO-1	Application and Importance of Molecular methods in construction of recombinant gene and production of transgenic organisms
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT502	Basic Human Genetics	CO-1	Provide basic information on the fundamentals of human genetics and hereditary
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT502	Basic Human Genetics	CO-2	Role of immunology in genetic analysis for protection against disease and autoimmune disorders.
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT502	Basic Human Genetics	CO-3	Explains the mechanics of inheritance, probability, gene structure and function, molecular genetics, and contemporary issues in human genetics
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO5	IMPOTANCE OF STRUCTURE AND CONFIRMATIONS OF PROTIENS
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO4	DEFINITION CLASSIFICATION AND STRUCTURE OF CARBOHYDRATES WITH IMPROTANCE
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO2	Understanding of classification,structures,properties and importance of Aminoacids
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO1	Definition, classification,structures and biological improtance of lipid
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO3	Transformation of energy and its improtance in biological system
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C56	BioChemistry-VI	CO1	Definition classification and mechanism of enzymes Biological system
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C56	BioChemistry-VI	CO2	To make them understand about theTranscription processes in both eukaryotes and prokaryotes
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C56	BioChemistry-VI	CO4	Understand the classification and characteristics of mutation
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C56	BioChemistry-VI	CO3	Write down in details of structure and types of nucleic acids
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO1	Learn the characteristics of Food and Dairy Microbiology

5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT601	Developmental and Evolutionary Genetics	CO-1	Understand the role of plant and animal developmental Genetics with examples
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT601	Developmental and Evolutionary Genetics	CO-2	Explains the basics of quantitative characters and inheritance in evolutionary, population genetics
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT601	Developmental and Evolutionary Genetics	CO-3	Provide the application of statistical methods in genetical study
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT602	Applicative Genetics	CO-1	Provide information on importance of genetics in medicine and pharmacogenomics.
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT602	Applicative Genetics	CO-2	Understand the use of molecular markers and bioinformatics tools
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT602	Applicative Genetics	CO-3	Understand the genetic resources, biodiversity in studying behavioral nature of organisms for bio fortification
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry-VII	CO6	Identify the classification and characteristics of METABOLISM OF AMINO ACIDS
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry-VII	CO7	Deliberate the characteristics of METABOLISM OF NUCELIC ACIDS
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry-VII	CO4	Deliberate in depth METABOLISM OF PROTIENS
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry-VII	CO3	Understand the characteristics of PHOTOSYNTHESIS
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry-VII	CO5	Understand the classification and characteristics of BIOLOGICAL NITROGEN FIXATION
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry-VII	CO1	IMPROATANCE OF CARBOHYDRATES METABOLISM
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry-VII	CO2	IMPROTANCE OF LIPID METABOLISM
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C66	BioChemistry-VIII	CO3	Specify the characteristics of immunology techniques
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C66	BioChemistry-VIII	CO4	Learn in depth conceptes in immunology
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C66	BioChemistry-VIII	CO1	Understand in fermentors, process and methods of fermentation techology
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C66	BioChemistry-VIII	CO2	To understand the tools and process of Genetic engineering
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1P65	BioChemistry practical VII	CO1	Understand the details of biomolecules
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology & Medical Microbiology	CO1	Write down in depth Isolation and identification of microorganisms from Ear, nose, throat and sputum.

5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO2	Identify in details with examples Isolation and identification of microorganisms from clinical samples -urine
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO3	Identify in details with examples Chemical analysis of urine -crystal identification, Determination of sugar and protein in urine samples
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO4	Specify the details of Blood grouping
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO5	Specify the classification and characteristics of Differential count of WBC. 1 unit
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO6	Specify in details with examples Coagulase test
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO7	Learn the characteristics of WIDAL test
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO8	Write down in details with application, if applicable, VDRL test
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO9	Specify the characteristics of Spot ELISA.
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO10	Specify the classification and characteristics of ODD -Ouchterlony Double Diffusion
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO11	Learn the details of RID -RadialImmuno Diffusion
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO12	Learn in depth Study of AFB –slide
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO13	Specify in details with application, if applicable, Study of pathogenic microorganisms –Shigella spp, Clostridium spp, Staphylococcus spp; Streptococcus spp, Entamoeba spp; Plasmodium spp, and Candida spp (Slides)
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO1	Learn in depth Major developments in medical microbiology
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO2	Specify the characteristics of Factors responsible for microbial pathogenicity
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO3	Identify in details with application, if applicable, Microbial flora of the human body
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO4	Deliberate the characteristics of Important groups of pathogenic microorganisms
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO5	Learn in details with examples Bacterial Diseases a. Syphilis

5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO6	Deliberate in details with examples Diphtheria
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO7	Deliberate the details of Tetanus
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO8	Specify in details with application, if applicable, Typhoid
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO9	Identify in depth Cholera
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO10	Identify in depth Tuberculosis
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO11	Deliberate in details with application, if applicable, Viral Diseases a. Rabies
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO12	Learn the details of b. Hepatitis A,B
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO13	Write down the details of c. HIV
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO14	Write down in details with examples Protozoan Diseases a. Amoebiasis
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO15	Understand in details with examples b. Malaria
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO16	Identify the classification and characteristics of Fungal Diseases a. Candidiasis
5273	B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO17	Identify the characteristics of b. Cutaneous mycoses
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Programming Concepts using C	CO3	Identify in details with examples Arrays: Declaring and Initializing, One Dimensional Arrays, Two Dimensional Arrays, Multi Dimensional Strings: Operations on strings, Arrays of strings, Storage Classes - Automatic, External, Static and Register Variables.
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Programming Concepts using C	CO4	Write down the characteristics of Structures - Declaring and Initializing, Nested structure, Array of Structure, Unions, typedef, enum, Bit fields. Pointers and functions, Call by value, Call by reference, Arrays of Pointers, Pointers and Structures, static and dynamic memory allocation, Memory allocation functions.
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Programming Concepts using C	CO5	Learn in details with examples Files - File modes, File operations, Text and Binary files, Command Line arguments. C Preprocessor directives, Macros ,Creating and implementing user defined header files

5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Programming Concepts using C	CO1	Learn in details with application, if applicable, Introduction to Programming Concepts: Classification of Software, Modular Programming, Structured Programming, Algorithms and Flowcharts. Overview of C, C basis
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Programming Concepts using C	CO2	Specify the characteristics of Managing Input and Output Operation-Formatted and Unformatted I/O Functions , Decision Making Statements - if Statement, switch statement, ?: operator, Looping - while, do-while, for loop, Nested loop, break, continue, and goto statements. Functions in C
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C1S	Mathematics I	CO3	Write down the characteristics of Matrices and Determinants
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C1S	Mathematics I	CO1	Understand the characteristics of Differential Calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C1S	Mathematics I	CO2	Identify in details with application, if applicable, Analytical Geometry
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C1S	Mathematics I	CO4	Understand in depth Integral Calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Basic Electronics	CO1	Understand in depth Identification of Electronic components and equipments
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Basic Electronics	CO2	Identify the details of Construct and verify the Thevinins, Maximum power transform theorem
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Basic Electronics	CO3	Write down the characteristics of semiconductor diode and its application
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Basic Electronics	CO4	Understand in details with application, if applicable, BJT and FET transistor working and its application
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C1S	Basic Electronics	CO5	Deliberate the details of Number system and coding
5274	B.Sc (Computer science/ Electronics/ Mathematics)	S2CC1S	Data Structures	CO1	Introduction and Overview: Definition, Elementary data organization, Data Structures, data structures operations, Abstract data types, algorithms complexity, time-space tradeoff. Preliminaries: Mathematical notations and functions, Algorithmic notations, control structures, Complexity of algorithms, asymptotic notations for complexity of algorithms. String Processing: Definition, Storing Stings, String as ADT,

5274	B.Sc (Computer science/ Electronics/ Mathematics)	S2CC1S	Data Structures	CO2	Learn the classification and characteristics of IntroArrays: Definition, Linear arrays, arrays as ADT, Representation of Linear Arrays in Memory, Traversing Linear arrays, Inserting and deleting, Sorting: Bubble sort, Insertion sort, Selection sort, Searching: Linear Search, Binary search, Multidimensional arrays, Matrices and Sparse matrices. duction and Overview
5274	B.Sc (Computer science/ Electronics/ Mathematics)	S2CC1S	Data Structures	CO3	Learn the characteristics of Linked list: Definition, Representation of Singly linked list in memory, Traversing a Singly linked list, Garbage collection, Header linked list, Circular linked list.: Definition, Linear arrays, arrays as ADT, Representation of Linear Arrays in Memory, Traversing Linear arrays, Inserting and deleting, Sorting: Bubble sort, Insertion sort, Selection sort, Searching: Linear Search, Binary search, Multidimensional arrays, Matrices and Sparse matrices. duction and Overview
5274	B.Sc (Computer science/ Electronics/ Mathematics)	S2CC1S	Data Structures	CO4	Stacks – Definition, Array representation of stacks Stack as ADT, Arithmetic Expressions: Polish Notation, Application of Stacks, Recursion, Towers of Hanoi, recursive procedures by stack. Queues – Definition, Array representation of queue, Types of queue: Simple queue, Circular queue, Double ended queue , Priority queue
5274	B.Sc (Computer science/ Electronics/ Mathematics)	S2CC1S	Data Structures	CO5	Write down the characteristics of Graphs: Graph theory terminology, Sequential representation of Graphs: Adjacency matrix, traversing a Graph. Tree – Definitions, Binary trees, Representing binary trees in memory, Traversing binary trees
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C2S	Mathematics II	CO1	Specify the classification and characteristics of Differential calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C2S	Mathematics II	CO2	Identify the characteristics of integral calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C2S	Mathematics II	CO4	Understand in details with examples Group Theory
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C2S	Mathematics II	CO4	Write down in details with examples Differential Equations -I
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C2S	Electronic Circuits & Special Purpose devices	CO1	Deliberate in details with examples small signal amplifiers
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C2S	Electronic Circuits & Special Purpose devices	CO2	Deliberate the characteristics of Power and tuned amplifier

5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C2S	Electronic Circuits & Special Purpose devices	CO3	Specify in depth Differential amplifier
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C2S	Electronic Circuits & Special Purpose devices	CO4	Understand in depth Feedback and oscillators
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C2S	Electronic Circuits & Special Purpose devices	CO5	Identify in depth special purpose devices
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C3S	Linear Integrated Circuits & C Programming	CO1	Learn the details of Integrated circuit and operational amplifier
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C3S	Linear Integrated Circuits & C Programming	CO2	Write down in depth Application of OP-AMP and IC 555 Timer
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C3S	Linear Integrated Circuits & C Programming	CO3	Write down in details with application, if applicable, Introduction to C programming
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C3S	Linear Integrated Circuits & C Programming	CO4	Specify in details with application, if applicable, Decision making, branching & looping
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C3S	Linear Integrated Circuits & C Programming	CO5	Learn the characteristics of structure and unions in C
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SCSC3S	Database Management System and Software Engineering	CO1	Specify in details with application, if applicable, software and software engineering ,process model,agile development,extreme programming
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SCSC3S	Database Management System and Software Engineering	CO2	Deliberate the classification and characteristics of Requirement modeling,data modeling,component level design
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SCSC3S	Database Management System and Software Engineering	CO3	Specify in depth Quality concepts,software testing strategies.
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SCSC3S	Database Management System and Software Engineering	CO4	Learn the details of Relational database concepts
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SCSC3S	Database Management System and Software Engineering	CO5	learn the different SQL Commands
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C3S	Mathematics III	CO1	Sequences of Real Numbers
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C3S	Mathematics III	CO2	Series of Real Numbers
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C3S	Mathematics III	CO3	Differential Calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C3S	Mathematics III	CO4	Learn the characteristics of cosets in group theory

5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P3S	Linear Integrated Circuits & C Programming	CO1	Understand in details with examples integrated circuit and operational amplifiers
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P3S	Linear Integrated Circuits & C Programming	CO2	Specify in details with examples applications of operational amplifier and IC 555
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P3S	Mathematics practicals III	CO3	Specify in depth series of real numbers
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P3S	Mathematics practicals III	CO4	Specify in details with application, if applicable, differential calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P3S	Mathematics practicals III	CO1	Specify the characteristics of basics in group theory
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P3S	Mathematics practicals III	CO2	Identify in details with application, if applicable, sequences of real numbers
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C4S	Mathematics IV	CO1	Deliberate the characteristics of groups, normal subgroups
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C4S	Mathematics IV	CO2	Write down the classification and characteristics of fourier series
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C4S	Mathematics IV	CO3	Understand in details with examples differential calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C4S	Mathematics IV	CO4	Write down in depth laplace transforms
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C4S	Mathematics IV	CO5	Deliberate in depth differential equations-II
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE104S	Digital Electronics & Verilog	CO2	Understand in details with application, if applicable, Combinational logic circuits
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE104S	Digital Electronics & Verilog	CO3	Write down the details of sequential logic circuits
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE104S	Digital Electronics & Verilog	CO4	Deliberate the characteristics of Introduction to Verilog
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE104S	Digital Electronics & Verilog	CO5	Understand the classification of verilog modeling and the characteristics of Dataflow and behavioural modeling
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE104S	Digital Electronics & Verilog	CO1	Learn the characteristics of Boolean algebra and logic gates
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P4S	Mathematics practicals IV	CO1	Learn in depth groups, normal subgroups
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P4S	Mathematics practicals IV	CO2	Specify the details of differential equations
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P4S	Mathematics practicals IV	CO3	Understand the classification and characteristics of fourier series

5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P4S	Mathematics practicals IV	CO4	Learn in details with examples differential calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1P4S	Mathematics practicals IV	CO5	Deliberate the characteristics of laplace transforms
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C51	Communication I	CO1	Learn in details with examples noise and transmission lines
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C51	Communication I	CO2	Write down the characteristics of analog modulation techniques
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C51	Communication I	CO3	Write down in details with examples radio receivers
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C51	Communication I	CO4	Deliberate in depth antennas
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C51	Communication I	CO5	Learn the details of television
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C52	Microprocessors & Instrumentation	CO1	Specify the characteristics of microprocessor and its classifications
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C52	Microprocessors & Instrumentation	CO2	Understand the detailed architecture and pin configuration of 8085
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C52	Microprocessors & Instrumentation	CO3	Deliberate the characteristics of instruction set in 8085
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C52	Microprocessors & Instrumentation	CO4	The detail study of stack operation, microprograming, IO operation and interfacing in 8085
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C52	Microprocessors & Instrumentation	CO5	Understand the details of Measurment systems and Transducers
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C52	Microprocessors & Instrumentation	CO6	Deliberate the classification and characteristics of charectaristics of Biomedical instruments
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C51	Object Oriented Programming using JAVA	CO1	Understand in depth Introduction to java
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C51	Object Oriented Programming using JAVA	CO2	Learn in details with examples Classes, Arrays, Strings, Vectors and Interfaces
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C51	Object Oriented Programming using JAVA	CO3	Deliberate in details with examples Packages, and Multithreaded Programming
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C51	Object Oriented Programming using JAVA	CO4	Understand the details of Applet Programming, Graphics Programming, Input/Output
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C52	Visual Programming	CO5	Specify in details with application, if applicable, Interfacing other application,MDI,splitter windows,exception handling
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C52	Visual Programming	CO1	Understand in depth Visual Programming,Events,methods,properties,controls

5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C52	Visual Programming	CO2	Understand in depth Data types,functions,procedures,arrays
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C52	Visual Programming	CO3	Identify in depth OOPs methods and properties,class modules,DLL's
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C52	Visual Programming	CO4	Write down the characteristics of Visual C++ programming,vc++ components,resources,MFC file handling
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C51	Mathematics V	CO1	Understand the classification and characteristics of Rings,Integral Domain,Fields
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C51	Mathematics V	CO3	Learn in depth Numerical Methods
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C51	Mathematics V	CO2	Understand the characteristics of vector differential calculus
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C52	Mathematics VI	CO3	Specify the characteristics of calculus of variation
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C52	Mathematics VI	CO1	Specify the details of line and multiple integrals
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C52	Mathematics VI	CO2	Write down in depth Integral Theorems
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P51	Communication I	CO1	Introduction to noise and transmission line
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P51	Communication I	CO2	Analog modulation techniques
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P51	Communication I	CO3	Structural study of Radio receivers and its Applications
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P51	Communication I	CO4	Deliberating the functioning of Antennas and its characteristics
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P51	Communication I	CO5	Identify in depth of Television
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P52	Microprocessors & Instrumentation	CO1	Write down in depth Introduction to minmax kit 8085
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P52	Microprocessors & Instrumentation	CO2	Understand in details with examples Write a assembly language program to transfer a data from one location to another location
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P52	Microprocessors & Instrumentation	CO3	Write down in depth Write a assembly language program to Perform Addition, subtraction, multiplication and division operation in 8085
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P52	Microprocessors & Instrumentation	CO4	Identify the characteristics of Program to find number of ones and zeroes, factorial of numbers

5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1P52	Microprocessors & Instrumentation	CO5	Identify the classification and characteristics of Programm to interface 8085 with stepper motor and DAC
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C61	Communication II	CO1	Deliberate the details of Digital communication
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C61	Communication II	CO2	Specify in details with examples RADAR system
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C61	Communication II	CO3	Understand the classification and characteristics of Satellite communication
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C61	Communication II	CO4	Learn the characteristics of Optical fiber communication
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SE1C61	Communication II	CO5	Learn the characteristics of Cellular communication and wireless LANs
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SW1C62	Microcontrollers	CO1	Introduction to Microcontroller, stuctural study of 8051
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SW1C62	Microcontrollers	CO2	Addressing mode, Instruction set and Interrupts in 8051
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SW1C62	Microcontrollers	CO3	8051 programming in C
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SW1C62	Microcontrollers	CO4	Configuring the Timer/Counter and interfacing of pheripheral devices with 8051
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SW1C62	Microcontrollers	CO5	Introduction to PIC microcontrollers and its interfacing with LCD
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C61	Web Programming	CO1	Learn the characteristics and Fundamentals of web
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C61	Web Programming	CO2	Identify in details with application, if applicable, Java Script
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C61	Web Programming	CO3	Identify in depth Java Script and HTML documents
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C61	Web Programming	CO4	Learn in details with examples about CSS and XML
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C62	Computer Networks	CO4	Learn the characteristics of Internetworking
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C62	Computer Networks	CO2	Understand the characteristics of Packets, frames and error detection, hardware identification
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C62	Computer Networks	CO3	Understand in details with application, if applicable, Extending LANs, WAN technology and routing
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SC2C62	Computer Networks	CO1	Learn in depth Introduction to computer networks,Transmission media,long distance communication

5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C61	Mathematics VII	CO1	Write down the characteristics of Linear Algebra
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C61	Mathematics VII	CO2	Understand in details with application, if applicable, Orthogonal Curvilinear coordinates
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C61	Mathematics VII	CO3	Learn in details with application, if applicable, Partial Differential Equations
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C62	Mathematics VII	CO1	Understand the classification and characteristics of Complex Analysis
5274	B.Sc (Computer science/ Electronics/ Mathematics)	SM1C62	Mathematics VII	CO2	Understand in details with examples Numerical Methods-II
5275	M.Sc Biotechnology	BTH-101	Cell Biology	CO1	Unit 1: Learn the Basic characteristics of the cell.
5275	M.Sc Biotechnology	BTH-101	Cell Biology	CO2	Unit 2: Learn the details of cytoskeleton
5275	M.Sc Biotechnology	BTH-101	Cell Biology	CO3	Unit 3: Deliberate the classification and characteristics of Membrane transport
5275	M.Sc Biotechnology	BTH-101	Cell Biology	CO4	Unit 4: Learn the details of Cell Signalling
5275	M.Sc Biotechnology	BTH-101	Cell Biology	CO5	Unit 5: Identify the classification and characteristics of Cell cycle
5275	M.Sc Biotechnology	BTH-101	Cell Biology	CO6	Unit 6: Write down the characteristics of Specialized cells (Muscle and Nerves)
5275	M.Sc Biotechnology	BTH-101	Cell Biology	CO7	Unit 7: Deliberate in details with examples Antioxidant defence system and senescence
5275	M.Sc Biotechnology	BTS- 205	Bioinformatics	CO1	Deliberate the details of Introduction to Computer
5275	M.Sc Biotechnology	BTS- 205	Bioinformatics	CO2	Specify the characteristics of Computer Network and Programming Languages
5275	M.Sc Biotechnology	BTS- 205	Bioinformatics	CO3	Learn in depth Databases
5275	M.Sc Biotechnology	BTS- 205	Bioinformatics	CO4	Write down in details with application, if applicable, Biological Databases and sequence analysis methods
5275	M.Sc Biotechnology	BTS- 205	Bioinformatics	CO5	Learn in depth Protein Structure and Molecular Interaction
5276	M.Sc Microbiology	MBH101	Bacteriology and Virology	CO1	Student is introduced to Microbiology, the classification and recent trends in taxonomy. The concepts of bacterial phylogeny and construction of phylogenetic trees.
5276	M.Sc Microbiology	MBH101	Bacteriology and Virology	CO2	The details of morphology and ultrastructure of bacteria. The characteristics, ultrastructure and significance of Cyanobacteria.
5276	M.Sc Microbiology	MBH101	Bacteriology and Virology	CO3	Morphological characteristics of different groups of bacteria such as Mycoplasma, Archaeobacteria, Actinomycetes, Rickettsia.

5276	M.Sc Microbiology	MBH101	Bacteriology and Viology	CO4	Learn in details with examples the nutritional requirements, cultivation media for microbes. Microbial growth kinetics and factors affecting growth, mechanism of cell cycle in bacteria.
5276	M.Sc Microbiology	MBH101	Bacteriology and Viology	CO5	Deliberate the details of the discovery, origin, nomenclature, classification and ultrastructure of viruses, virioids and prions.
5276	M.Sc Microbiology	MBH101	Bacteriology and Viology	CO6	Write down in depth the various methods of cultivation of bacterial and animal viruses and their assay methods.
5276	M.Sc Microbiology	MBH102	Eukaryotic Microbiology	CO2	Understand the classification and characteristics of Protozoa with few examples and cultivation methods
5276	M.Sc Microbiology	MBH102	Eukaryotic Microbiology	CO3	Deliberate the details of Fungal cell, spores, mechanism of growth, cultivation and prevention of fungal growth
5276	M.Sc Microbiology	MBH102	Eukaryotic Microbiology	CO4	Write down the characteristics of General features, diversity, Ainsworth system of classification, structure, reproduction and significance of Allomyces, Claviceps, Puccinia, Fusarium
5276	M.Sc Microbiology	MBH102	Eukaryotic Microbiology	CO5	understand the different Substrate groups: saprophytic, parasitic, keratinophilic, coprophilous; substrate successions, parasitism, predation, mutualism and symbiosis with plants and animals. Diversity of aquatic fungi.Economic importance of fungi.
5276	M.Sc Microbiology	MBH102	Eukaryotic Microbiology	CO6	Write down in depth Isolation and cultivation of algae invitro and mass production of algae
5276	M.Sc Microbiology	MBH102	Eukaryotic Microbiology	CO7	Understand the details of Role of algae as Food, theraputics, biofuels, heavy metals removal
5276	M.Sc Microbiology	MBH102	Eukaryotic Microbiology	CO1	Understand in detail the general feature, classification, diversity, stucture, reproduction and significance of Algae.
5276	M.Sc Microbiology	MBH103	Microbial Phyosology & Biochemistry	CO1	Metabolism and Bioenergetics
5276	M.Sc Microbiology	MBH104	Microbial & Biochemical Techniques	CO1	
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO9	understand the mechanisim of Growth in fungi-linear and biomass
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO1	Specify in depth Isolation of microorganism:Serial dilution, pure culture techniques

5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO10	Understand in depth effect of pH, temperature, and nutritional factor on growth of fungi
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO12	Learn the details of Isolation of algae from soil and water
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO12	Learn the details of Isolation of Protozoa from soil and water
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO2	Understand the characteristics of Culturing and cultural characteristics of microorganisms
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO3	Specify the classification and characteristics of Staining techniques:Simple, Differential:acid-fast, endospore, capsule, cell wall, cytoplasmic inculsionvital stains: flagella, spore and nuclear staining
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO4	Deliberate in details with examples Biochemical tests for identification of Bacteria, Identification of bacteria by API system
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO5	Specify the details of Bacterial growth measurement(cell count, turbidometry, plate count)
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO6	Delibrate the technique of Isolation of bacteriophages from sewage and flies
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO7	Learn in detail the different methods of Isolation of fungi from soil:Dilution plate method, Warcup method, stamping method.
5276	M.Sc Microbiology	MBP106	Bacteriology , Viology &Eukaryotic Microbiology	CO8	Learn the different methods of Isolation of fungi from plant material
5276	M.Sc Microbiology	MBT401	Microbial Phyosology & Biochemistry, MicrobialTechniques	CO2	learn in detail of isolation,characterisation and preservation of purecultures
5276	M.Sc Microbiology	MBT401	Microbial Phyosology & Biochemistry, MicrobialTechniques	CO2	study principle and application of different types of microscopes.
5276	M.Sc Microbiology	MBT401	Microbial Phyosology & Biochemistry, MicrobialTechniques	CO3	Learn about direct and indirect methods of measurement of microbial growth.

5276	M.Sc Microbiology	MBT401	Microbial Physiology & Biochemistry, Microbial Techniques	CO4	analysis of metagenomics
5276	M.Sc Microbiology	MBT401	Microbial Physiology & Biochemistry, Microbial Techniques	CO5	Understand the principle and application of spectroscopy.
5276	M.Sc Microbiology	MBT401	Microbial Physiology & Biochemistry, Microbial Techniques	CO6	learn in detail principle and application of chromatography.
5276	M.Sc Microbiology	MBT401	Microbial Physiology & Biochemistry, Microbial Techniques	CO7	study isotope techniques
5276	M.Sc Microbiology	MBH201	Microbial Genetics	CO1	Specify in depth the structure of prokaryotic genome and E.coli chromosome.
5276	M.Sc Microbiology	MBH201	Microbial Genetics	CO2	Deliberate in details the structure and organization of eukaryotic genome. Histone modifications and their effects on chromosome structure and function. The different types of DNA sequences, law of DNA constancy, genome size and C-value paradox.
5276	M.Sc Microbiology	MBH201	Microbial Genetics	CO3	Understand in depth Molecular basis of spontaneous and induced mutations and their role in evolution; mutagens, types of mutations, Ames and other toxicity testing.
5276	M.Sc Microbiology	MBH201	Microbial Genetics	CO4	Understand in detail Genetic recombination in bacteriophages and E. coli. Homologous recombination, role of RecA and other recombinases, generalized & specialized transduction, transformation and conjugation.
5276	M.Sc Microbiology	MBH201	Microbial Genetics	CO5	Deliberate in depth mechanisms and applications of bacterial transformation; Host cell restriction; Transduction; complementation; conjugation and transfection. Genetics of fungi- alteration of generation, induction of mutation in Neurospora crassa and yeast, cytoplasmic inheritance and biochemical mutants.
5276	M.Sc Microbiology	MBH201	Microbial Genetics	CO6	Deliberate in details with application, Plasmids- description, types and their uses in genetic analysis. Bacteriophages, Lysogeny and lytic cycle in bacteriophages, and their uses in microbial genetics.
5276	M.Sc Microbiology	MBH202	Molecular Biology	CO6	Learn in details with examples Control of gene expression at transcription and translation level, gene silencing

5276	M.Sc Microbiology	MBH202	Molecular Biology	CO5	Specify in details with examples regulation of gene expression and operon concepts
5276	M.Sc Microbiology	MBH202	Molecular Biology	CO3	Deliberate in depth Transcription in prokaryotes and eukaryotes
5276	M.Sc Microbiology	MBH202	Molecular Biology	CO4	Deliberate the classification and characteristics of Translation in prokaryotes and eukaryotes and post translational modifications
5276	M.Sc Microbiology	MBH202	Molecular Biology	CO2	Write down in depth DNA replication in prokaryotes and eukaryotes
5276	M.Sc Microbiology	MBH202	Molecular Biology	CO1	Structure DNA & RNA . Mechanisms of DNA damage and repair
5276	M.Sc Microbiology	MBH203	Environment Microbiology	CO1	Aerobiology- Air spora in different layers of atmosphere, bioaerosol, assessment of air quality using principles of sedimentation, impaction, impingement, suction and filtration. Brief account of transmission of airborne microbes; Microbiology of indoor and outdoor. Allergy: Causes and tests for detection of allergy.
5276	M.Sc Microbiology	MBH203	Environment Microbiology	CO2	Aquatic Microbiology: Fresh and marine ecosystem (estuaries, mangroves, deep sea, hydrothermal vents, salt pans, coral reefs). Zonation of water ecosystem; upwelling, eutrophication; food chain in aquatic ecosystems. Role of methanotrophs in ecosystem. Potability of water, microbial assessment of water, water purification. Ground water types and their contamination. Biofilm. Waste treatment: sewage and effluent treatment; primary, secondary and tertiary treatment, Solid waste treatment. Solid wastes as sources of energy and food.
5276	M.Sc Microbiology	MBH203	Environment Microbiology	CO3	Soil Microbiology: Biotic and abiotic interactions, concepts of habitat and niche. Microbial communities; nature, structure and attributes, levels of species diversity, succession and stability, r and K selection, genetic exchange between communities. Biodiversity management and conservation. Role of microbes in organic solid waste treatment matter in various soil types, subterranean microbes. Biogeochemical cycles of carbon, nitrogen, phosphorous and sulphur.
5276	M.Sc Microbiology	MBH203	Environment Microbiology	CO4	Diversity in anoxic eco system: Methanogens-reduction of carbon monoxide- reduction of iron, sulphur, manganese, nitrate and oxygen. Microbial transformations of Carbon, Phosphorus, Sulphur, Nitrogen and Mercury.

5276	M.Sc Microbiology	MBH203	Environment Microbiology	CO5	Extremophiles: The domain Archaea, acidophilic, alkalophilic, thermophilic, barophilic and osmophilic and radiodurant microbes- mechanisms and adaptation. Halophilic- membrane variation- electron transport- application of thermophiles and extremophiles. Extremozymes. 6hrs Unit 6 Biodegradation: Role of microbes in degradation, Biodegradation of Xenobioticshydrocarbons, pesticides and plastics. Biodeterioration of wood, pulp and paper; Biosorption/bioaccumulation of heavy metals. Bioremediation of soil, air and water: various methods, advantages and disadvantages. Bioleaching of iron, copper, gold and uranium.
5276	M.Sc Microbiology	MBH204	Food Microbiology	CO7	
5276	M.Sc Microbiology	MBH204	Food Microbiology	CO1	Write down the details of Introduction: Development of food microbiology as a science, scope of food microbiology. Food as substrate for microorganisms, intrinsic and extrinsic factors affecting the growth of microbes, important microorganisms in food (molds, yeasts and bacteria) and their source (air, soil, water, plants and animals).
5276	M.Sc Microbiology	MBH204	Food Microbiology	CO2	Write down in depth Food contamination and spoilage: Sources of food contamination. Principles of food spoilage; spoilage of cereals, sugar products, vegetables, fruits, meat and meat products, milk and milk products, fish and sea foods, poultry; spoilage of canned foods; conventional and modern methods for detection of spoilage and characterization
5276	M.Sc Microbiology	MBH204	Food Microbiology	CO3	Write down the details of Food-borne infections and intoxication: Bacterial- Brucella, Bacillus, Clostridium, Escherichia, Listeria; Food intoxication- Botulism, Staphylococcal. Mycotoxins & their types – aflatoxins, ochratoxins, fumonisins, trichothecenes, zealenone, ergot alkaloids; food borne outbreaks and lab testing procedures. Preventive measures. Molds, Algae, Protozoa, Viruses.

5276	M.Sc Microbiology	MBH204	Food Microbiology	CO4	Specify in depth Food preservation: Principles and methods of food preservation- Physical (temperature, irradiation, drying, canning, processing for heat treatment-D, Z and F values) Chemical (Organic acids, food additives. Class I and Class II preservatives), Biopreservation (Lactic acid bacteria). Food Packaging- Types of packaging materials, properties and benefits.
5276	M.Sc Microbiology	MBH204	Food Microbiology	CO5	Learn in depth Microbial and Fermented foods: SCP- Nutritional & therapeutic importance, Quorn and SCO and their Industrial production. Fermented Vegetables (olives, cucumbers), Meat (sausages), Beverage (cocoa and coffee); Bread, Idli, Dairy foods (cheese, srikhand). production methods of Kefir, Yogurt, Acidophilus milk; Probiotics, Prebiotics and Synbiotics, Nutraceuticals (Cr/Se yeast), functional foods and their quality standards. Application of fungal pigments in food industry.
5276	M.Sc Microbiology	MBH204	Food Microbiology	CO6	Deliberate in details with examples Food and sanitation: Good Hygiene Practices, Sanitation in manufacture and retail trade; food control agencies and their regulation, hazard analysis and critical control points (HACCP); GMP, plant sanitation – employees“ health standard, waste treatment, disposal, quality control. Recent trends and development in food technologies in India.
5276	M.Sc Microbiology	MBS205	Bioinformatics	CO1	Specify the details of Introduction to computer
5276	M.Sc Microbiology	MBS205	Bioinformatics	CO2	Specify in depth Computer Network and Programming Languages
5276	M.Sc Microbiology	MBS205	Bioinformatics	CO3	Deliberate the characteristics of Relational Databases Management
5276	M.Sc Microbiology	MBS205	Bioinformatics	CO4	Identify the classification and characteristics of biological databases, sequence analysis methods
5276	M.Sc Microbiology	MBS205	Bioinformatics	CO5	Understand the characteristics of Protein Structure and Molecular Interaction
5276	M.Sc Microbiology	MBP206	Microbial Genetics & Molecular Biology	CO1	Learn the details of Basic techniques of microbial genetics and molecular biology
5276	M.Sc Microbiology	MBP207	Environment Microbiology & Food Microbiology	CO1	Various techniques and methods of microbial analysis of food and environment
5276	M.Sc Microbiology	MBH303	Immunology	MBH303UN IT1	Immune system and Immunity

5276	M.Sc Microbiology	MBH303	Immunology	MBH303UN IT2	Antigen and Antibodies
5276	M.Sc Microbiology	MBH303	Immunology	MBH303UN IT3	Antigen Antibody reactions
5276	M.Sc Microbiology	MBH303	Immunology	MBH303UN IT4	Hypersensitivity reactions
5276	M.Sc Microbiology	MBH303	Immunology	MBH303UN IT5	Major histocompatibility complex
5276	M.Sc Microbiology	MBH303	Immunology	MBH303UN IT6	Immunization
5276	M.Sc Microbiology	MBH303	Recombanent DNA Technology	CO3	methods of cloning in prokaryotes and eukaryotes and DNA libraries
5276	M.Sc Microbiology	MBH303	Recombanent DNA Technology	CO4	Understand the principles of molecular techniques and applications
5276	M.Sc Microbiology	MBH303	Recombanent DNA Technology	CO5	Learn the methods of DNA sequencing and mapping of genes
5276	M.Sc Microbiology	MBH303	Recombanent DNA Technology	CO6	learn the principles of chemical and enzymatic synthesis of genes with examples
5276	M.Sc Microbiology	MBH303	Recombanent DNA Technology	CO7	Applications of recombinant DNA technology in various field
5276	M.Sc Microbiology	MBH303	Recombanent DNA Technology	CO2	tools of genetic engineering and different types of vectors
5276	M.Sc Microbiology	MBP306	Recombanent DNA Technology & BioInformatics	CO1	Understand in depth basic techniques of recombinant DNA technology
5276	M.Sc Microbiology	MBH401	Agricultural Microbiology	CO2	Write down the characteristics of Biological Nitrogen Fixation- Symbiotic, nonsymbiotic, Associative nitrogen fixation mechanisms, genes involved, Nif gene, Nod factor, noduline genes, Genetic engineering of Biological Nitrogen Fixation
5276	M.Sc Microbiology	MBH401	Agricultural Microbiology	CO3	Understand in depth Plant-Microbes interactions
5276	M.Sc Microbiology	MBH401	Agricultural Microbiology	CO4	Deliberate in depth Bioinoculants: Biopesticides and Biofertilizer - types, production and quality control. Cultivation and mass production of bioinoculants-

5276	M.Sc Microbiology	MBH401	Agricultural Microbiology	CO5	Identify in depth Molecular Plant Pathology- Recognition of host, entry, role of enzymes, toxins, R and r genes, phytotoxins, Phytoalexins, PR proteins, plant defense mechanisms against pathogens, Transgenic approaches for crop protection
5276	M.Sc Microbiology	MBH401	Agricultural Microbiology	CO6	Learn the characteristics of Plant diseases-Symptomatology, etiology & control of Fungal, viral, Bacterial, mycoplasma, viroidal diseases
5276	M.Sc Microbiology	MBH401	Agricultural Microbiology	CO1	Identify the characteristics of Microbes in Soil fertility, decompositon, effect of pesticides on soil
5276	M.Sc Microbiology	MBH403	Microbial Biotechnology	CO4	Write down in details with application, if applicable, Microbial transformation and organic synthesis: Transformation of steroids and sterols, over production of glutathione by genetically engineered cells. Metabolic engineering for vitamin C production, synthesis of acrylamide by nitrile hydratase, synthesis of optically pure drugs.
5276	M.Sc Microbiology	MBH403	Microbial Biotechnology	CO5	Identify the details of Nanotechnology: Introduction, Tools of nanosciences, Synthesis of Nanomaterials using microbes. Biopolymeric nanoparticles; nanosensors, biomedical applications, antimicrobial nanoparticles.
5276	M.Sc Microbiology	MBH403	Microbial Biotechnology	CO6	Identify the characteristics of Bioethics and biosafety: Introduction, Human genome project and its ethical, legal and social implications. Biosafety guidelines and regulations for GMOs. GLP and GMP. Labelling of GM products. Ethics and safety of GM food. Testing of drugs on human volunteers.
5276	M.Sc Microbiology	MBH403	Microbial Biotechnology	CO2	Understand the classification and characteristics of Microbial products for commercial use: Industrial production of organic acids (acetic acid, lactic acid). Amino acids (lysine, glutamic acid), Solvents (acetone, ethanol), Antibiotics (Cephalosporin, Streptomycin), Microbial polysaccharides (xanthan) and polyesters (PHB). Hormones (insulin), anticholesterol compound (Lovastatin). Vaccines (recombinant). Microbial insecticides. Secondary metabolites in bacteria and fungi (anti-cancer and antidiabetic compounds).

5276	M.Sc Microbiology	MBH403	Microbial Biotechnology	CO3	Deliberate in details with examples Microbial enzymes: Industrial production of lipase, protease & asparaginase. Enzymes in - starch processing, food, textile, detergent, leather, breweries, pharmaceuticals, therapeutics, and diagnostics. Recombinant enzymes. Immobilized enzymes and cells: Techniques and types of immobilization, industrial applications of immobilization: merits and demerits.
5276	M.Sc Microbiology	MBH403	Microbial Biotechnology	CO1	Specify the characteristics of Introduction: Principle, applications, economics and milestones in microbial technology
5276	M.Sc Microbiology	MBH-301	Medical Microbiology	CO4	understand indetail the etiology, clinical symptoms, laboratory diagnosis and treatment of bacterial and protozoan diseases.
5276	M.Sc Microbiology	MBH-301	Medical Microbiology	CO5	study in detail the etiology, clinical symptoms, laboratory diagnosis and treatment of fungal diseases.
5276	M.Sc Microbiology	MBH-301	Medical Microbiology	CO6	understand classification and mechanism of antimicrobial agents,study of vaccins and probotics as therapeutic agents
5276	M.Sc Microbiology	MBH-301	Medical Microbiology	CO2	Deliberate in detail the etiology, clinical symptoms, laboratory diagnosis and treatment of viral diseases.
5276	M.Sc Microbiology	MBH-301	Medical Microbiology	CO3	Understand the details of principles and applications of various immuno and molecular diagnostic methods in microbiology
5276	M.Sc Microbiology	MBH-301	Medical Microbiology	CO1	Specify the characteristics of normal microflora of the human body and its significance. The detailed mechanism of infection, pathogenesis and mode of transmission of pathogens in diseases.
5277	M.Sc Biochemistry	BCT-205	Microbiology	CO1	Deliberate in details different approaches for the classification of Bacteria – Conventional and molecular methods and brief study of important groups of bacteria with examples.
5277	M.Sc Biochemistry	BCT-205	Microbiology	CO2	Detailed study of the classification, cultivation and morphology of fungi, algae and protozoa. Methods of Control of fungal growth and mycotoxins and their mode of actions.
5277	M.Sc Biochemistry	BCT-205	Microbiology	CO4	Specify in detail the principles of microbial nutrition, pure culture techniques and cultivation of microbes. Detailed study of bacterial growth, reproduction and adaptations.

5277	M.Sc Biochemistry	BCT-205	Microbiology	CO5	Write down in details with application- Sterilization methods, sterility testing and mode of action of antibiotics.
5277	M.Sc Biochemistry	BCT-205	Microbiology	CO6	Learn in details with examples Food spoilage, preservation methods, fermented foods and exotoxins.
5277	M.Sc Biochemistry	BCT-205	Microbiology	CO7	Specify the sources and contamination of milk by micro-organisms. Bacterial count, reactions occurring in milk, Pasteurization, sterilization and fermented milk products.
5277	M.Sc Biochemistry	BCT-205	Microbiology	CO8	Identify the characteristics of normal microflora of the human body and its significance. mechanism of pathogen control, antibiotic assay and endotoxins.
5277	M.Sc Biochemistry	BCT-205	Microbiology	CO9	Identify in details with significance- Classification and General Properties and structure of plant, animal and bacterial viruses. The cultivation, enumeration and control of viruses. Production and mode of action of Interferons.
5277	M.Sc Biochemistry	BCT-205	Microbiology	CO3	Learn the principle, procedure and applications of Staining techniques, ultrastructure of bacteria and mechanism of motility.
5277	M.Sc Biochemistry	BCP-206	GENERAL BIOCHEMISTRY -1	BCP206	Students gained experiential training of titrimetry, qualitative, quantitative, purification methods
5277	M.Sc Biochemistry	BCHT – 102	Metabolism-I	M1	This chapter gives insights of carbohydrate metabolism how glucose molecule converted into pyruvate and then generates ATP (ENERGY SOURCE). It also gives knowledge on what alternative pathways are available for cellsto make energy when glucose is not available
5277	M.Sc Biochemistry	BCHT – 102	Metabolism-I	M2	Lipid metabolism gives knowledge of Importance of lipids in our body and how they generate energy in our body. It also explains how lipids are metabolised in our body
5277	M.Sc Biochemistry	BCHT – 103	Analytical Biochemistry – I	BCT104_5	5. Students learnt about Radioisotopic methods and Statistical methods in biochemical measurements
5277	M.Sc Biochemistry	BCHT – 103	Analytical Biochemistry – I	BCT103_2	2. Students learnt about principles of different microscopes, Fluorescence Microscopes and their applications
5277	M.Sc Biochemistry	BCHT – 103	Analytical Biochemistry – I	BCT103_3	3. Students got knowledge about Types of Centrifugation techniques, Ultrafiltration, Dialysis, Precipitation, Flow cytometry
5277	M.Sc Biochemistry	BCHT – 103	Analytical Biochemistry – I	BCT103_4	4. Students got knowledge about Biocalorimetry, ITC , DSC - principle, design and applications; Manometry - Warburg, Gilson - principle, design and applications

5277	M.Sc Biochemistry	BCHT – 103	Analytical Biochemistry – I	BCT-103_1	1. Students got knowledge about Overview of Biochemical Investigations, Experimental model organisms and extraction methods
5277	M.Sc Biochemistry	BCHT – 104	General Physiology	BCT104	1. Students gained knowledge on Nervous system
5277	M.Sc Biochemistry	BCHT – 104	General Physiology	BCT104	2. students gained knowledge on muscular system
5277	M.Sc Biochemistry	BCHT – 104	General Physiology	BCT104	3. Students got indepth knowledge on cytoskeleton and cellular dynamics
5277	M.Sc Biochemistry	BCHT – 104	General Physiology	BCT104	4. Students got insights into digestive and cardio-vascular system
5277	M.Sc Biochemistry	BCHT – 104	General Physiology	BCT104	5. students acquired knowledge on excretory and endocrine system
5277	M.Sc Biochemistry	BCHSCT – 105	Clinical Biochemistry and Nutrition	BCT105_1	1. Students learnt about basic biochemistry of Carbohydrates, Lipids, Proteins
5277	M.Sc Biochemistry	BCHSCT – 105	Clinical Biochemistry and Nutrition	BCT105_2	2. Students learnt about biochemistry of Macro-minerals, Micro-minerals and Ultra trace minerals
5277	M.Sc Biochemistry	BCHSCT – 105	Clinical Biochemistry and Nutrition	BCT105_3	3. Student got knowledge about Vitamins - fat and water soluble forms, their roles and pathology
5277	M.Sc Biochemistry	BCHSCT – 105	Clinical Biochemistry and Nutrition	BCT105_4	4. Students learnt about Energy metabolism - BMR, thermoregulation, and importance of nutrition in different age groups
5277	M.Sc Biochemistry	BCHSCT – 105	Clinical Biochemistry and Nutrition	BCT105_5	5. Students got knowledge of Oxidative stress and Antioxidants
5277	M.Sc Biochemistry	BCHP – 106	General Biochemistry	BCP_106	1. Students acquired experiential learning on titrimetry, reagent/buffer preparations, qualitative and quantitative estimations of general biochemistry
5277	M.Sc Biochemistry	BCHT – 201	Protein Structure and Enzymology	BCT405	Students learnt about active site structure and enzyme catalysis, protein enzyme assays; DNA amplification, Restriction digestion and other experiments of Genetic engineering ,
5277	M.Sc Biochemistry	BCHT – 202	Analytical Biochemistry – II	BCHT_202_5	5. Knowledge on Bioinformatics
5277	M.Sc Biochemistry	BCHT – 202	Analytical Biochemistry – II	BCHT-202_1	1. Knowledge on Chromatoragraphy
5277	M.Sc Biochemistry	BCHT – 202	Analytical Biochemistry – II	BCHT-202_2	2. Knowledge on TLC, GLC, Electrophoresis & Immunoelectrophoresis
5277	M.Sc Biochemistry	BCHT – 202	Analytical Biochemistry – II	BCHT - 202_3	3. Knowledge on Mass Spectrometry, UV, Fluorescece, IR, Raman, FTIR, Mass spec
5277	M.Sc Biochemistry	BCHT – 202	Analytical Biochemistry – II	BCHT_202_4	4. Knowledge on Proteomics

5277	M.Sc Biochemistry	BCHT – 204	Metabolism-II	CO1	Deliberate in details with application, if applicable, Metabolism
5277	M.Sc Biochemistry	BCHT – 204	Metabolism-II	CO2	Learn in details with application, if applicable, Metabolism
5277	M.Sc Biochemistry	BCHT – 204	Metabolism-II	CO3	Understand in details with examples Metabolism
5277	M.Sc Biochemistry	BCHT – 204	Metabolism-II	CO4	Understand in details with examples Metabolism
5277	M.Sc Biochemistry	BCHT – 204	Metabolism-II	CO5	Understand in details with examples Metabolism
5277	M.Sc Biochemistry	BCHP – 206	Immunochemistry and Informatics	BCP_206_1	1. Students have got experiential training in Immunochemical Techniques
5277	M.Sc Biochemistry	BCHP – 206	Immunochemistry and Informatics	BCP206_2	2. Students have acquired hands-on training on basic chromatography techniques
5277	M.Sc Biochemistry	BCHP – 206	Immunochemistry and Informatics	BCP206_3	3. Students got experiential training in Electrophoresis, 2D gel elctrophoresis, etc
5277	M.Sc Biochemistry	BCHP – 207	Enzymology	CO1	Determination of Enzyme activity
5277	M.Sc Biochemistry	BCHP – 207	Enzymology	CO2	Determination of KM and Vmax
5277	M.Sc Biochemistry	BCHP – 207	Enzymology	CO3	Determination of optimum pH and Temperature
5277	M.Sc Biochemistry	BCHP – 207	Enzymology	CO4	Determination of type of inhibition
5277	M.Sc Biochemistry	BCT – 301	Molecular Biology – I	BCT301_2	2. Students gained knowledge on Prokaryotic DNA replication and Extra chromosomal replication
5277	M.Sc Biochemistry	BCT – 301	Molecular Biology – I	BCT302_3	3. Students gained knowledge on DNA repair
5277	M.Sc Biochemistry	BCT – 301	Molecular Biology – I	BCT302_4	4. Students learnt about transcription in prokaryotes and eukaryotes
5277	M.Sc Biochemistry	BCT – 301	Molecular Biology – I	BCT301_1	1. Students gained knowledge on Introductory molecular biology including Clusters and repeats, topologiccal problems
5277	M.Sc Biochemistry	BCT – 302	Molecular Physiology	BCT-302_1	1. Student gained knowledge about Nerve Signaling
5277	M.Sc Biochemistry	BCT – 302	Molecular Physiology	BCT302_2	2. Students gained knowledge about Endocrine Signaling and Nuclear signaling
5277	M.Sc Biochemistry	BCT – 302	Molecular Physiology	BCT302_3	3. Students gained knowledge about Cell cycle and Apoptosis
5277	M.Sc Biochemistry	BCT – 302	Molecular Physiology	BCT302_4	4. Students gained knowledge about Cancer and signaling in plants
5277	M.Sc Biochemistry	BCT – 303	Metabolism – II	CO1	Learn in details with application, if applicable, Metabolism – II
5277	M.Sc Biochemistry	BCP – 306	Molecular Biology	BCP306	Students acquired experiential training on DNA isolation from different sources including bacteria, plant, animal tissues, etc; PCR; RAPD; RNA isolation; Phage titration; Southern hybridization; Plasmid Isolation techniques

5277	M.Sc Biochemistry	BCT – 401	Molecular Biology – II	BCT401_2	2. Students got knowledge on Transcriptional activators
5277	M.Sc Biochemistry	BCT – 401	Molecular Biology – II	BCT401_3	3. Students learnt about molecular biology of drosophila development
5277	M.Sc Biochemistry	BCT – 401	Molecular Biology – II	BCT401_4	4. Students got knowledge about Ribosomes, types and its roles in cell
5277	M.Sc Biochemistry	BCT – 401	Molecular Biology – II	BCT401_5	5. Students got knowledge on Translation
5277	M.Sc Biochemistry	BCT – 401	Molecular Biology – II	BCT401_1	1. Students acquired knowledge on Gene expression in prokaryotes and eukaryotes
5277	M.Sc Biochemistry	BCT – 402	Biochemical Genetics	CO1	learn about Human Genetics
5277	M.Sc Biochemistry	BCT – 402	Biochemical Genetics	CO2	History of Classical Genetics
5277	M.Sc Biochemistry	BCT – 402	Biochemical Genetics	CO3	How works Bacterial Genetics
5277	M.Sc Biochemistry	BCT – 402	Biochemical Genetics	CO3	Learn about Viral Genetics
5277	M.Sc Biochemistry	BCT – 403	Biotechnology	CO1	know about Restriction endonucleases and DNA modifying enzymes
5277	M.Sc Biochemistry	BCT – 403	Biotechnology	CO2	Learn about Cloning Vectors
5277	M.Sc Biochemistry	BCT – 403	Biotechnology	CO3	How works PCR, Genomic and cDNA libraries
5277	M.Sc Biochemistry	BCT – 403	Biotechnology	CO4	Sequencing and mutagenesis concept
5277	M.Sc Biochemistry	BCT – 403	Biotechnology	CO5	Gene transfer to animals cells and plants
5277	M.Sc Biochemistry	BCT – 404	Immunology and Toxicology	BCT404_1	1. Knowledge on Infection, Complement fixation and Immunity
5277	M.Sc Biochemistry	BCT – 404	Immunology and Toxicology	BCT404_2	2. Knowledge on Immunoglobulins, types and their roles
5277	M.Sc Biochemistry	BCT – 404	Immunology and Toxicology	BCT404_3	3. Knowledge on Immune system, HLA typing, B and T cell differentiation
5277	M.Sc Biochemistry	BCT – 404	Immunology and Toxicology	BCT404_4	4. Knowledge on Molecular Immunology, Antibody Diversity, MHC, Class switching
5277	M.Sc Biochemistry	BCT – 404	Immunology and Toxicology	BCT404_5	5. Knowledge on Clinical Immunology, Immuno assay methods, Toxicology
5277	M.Sc Biochemistry	BCP – 405	Genetic Engineering and Protein chemistry	MBP1	The lab practicals involves mainly molecular Biology techniques such as PCR, Gel electrophoresis and DNA extraction.
5277	M.Sc Biochemistry	BCPR – 406	Project work	PW1	This project work involves complete research work i.e wet lab with detailed research topic, Design of experiments and result analysis. Finally all results will be analyzed and thesis writing with interpretation of outcome of project work
5278	M.Sc Chemistry	C-102	Organic Chemistry I	C-102-4	Students attained the detail knowledge of biomolecules like carbohydrates & vitamins .

5278	M.Sc Chemistry	C-102	Organic Chemistry I	CO3	
5278	M.Sc Chemistry	C-102	Organic Chemistry I	C-102-5	student attained the knowledge of synthesis of heterocyclic compounds and their biological uses
5278	M.Sc Chemistry	C-201	InorganicChemistry-II	C201	Electronic spectra of coordination compounds; students gained knowledge about spectroscopic ground state, Orgel diagrams, Tanabe-Sugano diagrams, spectral properties of Lanthanides and actinides metal complexes
5278	M.Sc Chemistry	C-201	InorganicChemistry-II	C201	Magnetic properties of coordination compounds; students gained knowledge about types of magnetic behaviour, susceptibility and its determination, photochemical reactions of transition metal complexes
5278	M.Sc Chemistry	C-202	Organic Chemistry II	C202_1	Students gained detailed knowledge on rearrangement reaction of organic compounds and their mechanism
5278	M.Sc Chemistry	C-202	Organic Chemistry II	C202_3	Students gained knowledge on Vitamins, synthesis and their biological roles
5278	M.Sc Chemistry	C-202	Organic Chemistry II	C202_2	Students gained detailed knowledge on Amino acids and peptides synthesis
5278	M.Sc Chemistry	C-203	Physical Chemistry II	C203_1	1. Students gained knowledge in thermodynamics-I: partial molar properties, phase rule, introduction to statistical thermodynamics
5278	M.Sc Chemistry	C-203	Physical Chemistry II	C203_2	2. Students are able to understand concept of distribution laws of statistical thermodynamics and non equilibrium thermodynamics
5278	M.Sc Chemistry	C-203	Physical Chemistry II	C203_3	3. Students gained knowledge in Electrochemistry: Debye-Huckel theory of strong electrolytes, Thermodynamics of electrified interfaces
5278	M.Sc Chemistry	C-203	Physical Chemistry II	C203_4	4. Students gained knowledge in Electrochemistry-II; Structure of electrical double layers, overpotential, polarography
5278	M.Sc Chemistry	C-301-OC	Organic Reaction Mechanisms		Organic Reaction Mechanism- Offers aliphatic substitution reactions, free radical chemistry, photochemistry and pericyclic chemistry and structural, mechanistic, functional and regulatory aspects of enzymes and coenzymes. Students are getting exposed to various sort of reactions with different mechanistic approach. All these preliminary concepts will be continued through Organic reaction paper-II. This paper gives the knowledge of advanced biochemical reaction, photochemistry and pericyclic chemistry to students by the end of the course

5278	M.Sc Chemistry	C-302-OC	Chemistry of Natural Products	C-302 -1	Students attained the knowledge of Terpenoids and carotenoids
5278	M.Sc Chemistry	C-302-OC	Chemistry of Natural Products	C-302-2	Students attained the knowledge of Alkaloids i.e.nomenclature, Isolation, structure elucidation, synthesis and biosynthesis.
5278	M.Sc Chemistry	C-302-OC	Chemistry of Natural Products	C-302-3	Students attained the Detailed knowledge of porphyrins-haemin and chlorophyll and vit B12
5278	M.Sc Chemistry	C-302-OC	Chemistry of Natural Products	C-302-4	student learned the detailed knowledge of synthesis of oligonucleotides
5278	M.Sc Chemistry	C-302-OC	Chemistry of Natural Products	C-302-5	Students attained the detail knowledge of synthesis of prostaglandins and Insect Pheromones
5278	M.Sc Chemistry	C-303-OC	Organic Spectroscopy	CO1	Organic Spectroscopy- Offers UV- vis spectroscopy, infrared Spectroscopy, NMR spectroscopy and Mass Spectroscopy. Students are getting exposed to various spectroscopic techniques which are essential for structural elucidation. This paper gives the knowledge of organic spectroscopy to students by the end of the course
5278	M.Sc Chemistry	C-305-OC	Organic Chemistry Practicals-I	CO1	Organic chemistry practicals I- At the end of the course students are able to carryout single step synthesis.
5278	M.Sc Chemistry	C-306-OC	Organic Chemistry Practicals-II	CO1	Organic chemistry practicals II- At the end of the course students are able to identify the functional group by qualitative analysis
5278	M.Sc Chemistry	C-307-OC	Organic Chemistry Practicals-III	CO1	Organic chemistry practicals III- At the end of the course students are able to carryout Multi-step synthesis.
5278	M.Sc Chemistry	C-308-OC	Organic Chemistry Practicals-IV	CO1	Organic chemistry practicals IV- At the end of the course students are able to estimate the functional group quantitatively by various methods.
5278	M.Sc Chemistry	C-403-OC	Organic Synthesis	C-403-III	Students attained the detail knowledge of use of reagents in Oxidation reactions
5278	M.Sc Chemistry	C-403-OC	Organic Synthesis	C-403-II	Students attained the detail knowledge of use of the reagents in organic synthesis.
5278	M.Sc Chemistry	C-403-OC	Organic Synthesis	C-403-IV	Students attained the detail knowledge of use of reagents in Reduction reactions.
5278	M.Sc Chemistry	C-404-OC	Medicinal Organic Chemistry	CO1	Students attained the detail knowledge on steroids
5278	M.Sc Chemistry	C-404-OC	Medicinal Organic Chemistry	CO2	Students attained the detail knowledge on antibiotics
5278	M.Sc Chemistry	C-404-OC	Medicinal Organic Chemistry	CO3	Students attained the detail knowledge on synthesis of drugs and their mode of action

5279	BCA – Bachelor of Computer Applications	ENG11S	English	CO1	Develop English language skills in listening, speaking, reading and writing by having learners engage in a range of communicative tasks and activities suiting Indian context
5279	BCA – Bachelor of Computer Applications	ENG11S	English	CO2	Encourage the use of strategies, such as contextualization of new vocabulary, use of previewing, skimming and scanning techniques, and knowledge of text organization and discourse markers, to aid the comprehension of written and spoken language.
5279	BCA – Bachelor of Computer Applications	ENG11S	English	CO3	Demonstrate an awareness of the significance of literature and of literary form by being conversant about the functions of texts and their relations with historical, social and political contexts.
5279	BCA – Bachelor of Computer Applications	ENG11S	English	CO4	Create awareness about the new learning styles to comprehend the theme and genre and the relevance of it in a better and deeper way and also to increase the competence in the use of ICT so that learners may more effectively achieve academic goals.
5279	BCA – Bachelor of Computer Applications	ENG11S	English	CO5	Learn and practice academic paragraph and essay elements including a central idea supported by relevant details and transitions, with unity and organization.
5279	BCA – Bachelor of Computer Applications	SB7104	Problem Solving Techniques using C	CO1	Understand in details with application, if applicable, : Introduction to Programming Concepts and overview of C
5279	BCA – Bachelor of Computer Applications	SB7104	Problem Solving Techniques using C	CO3	Learn in detail about Managing input and output operations, Decision making, branching and looping and function concept
5279	BCA – Bachelor of Computer Applications	SB7104	Problem Solving Techniques using C	CO6	Specify the classification and characteristics of Arrays, Strings and its operations
5279	BCA – Bachelor of Computer Applications	SB7104	Problem Solving Techniques using C	CO9	Deliberate the details of Structures and unions, Pointer concept
5279	BCA – Bachelor of Computer Applications	SB7104	Problem Solving Techniques using C	CO11	Identify in details with examples about Files concept in C
5279	BCA – Bachelor of Computer Applications	SB7104	Computer Organization	CO1	Deliberate the classification and characteristics of number system, Basic conversion, complements, weighted and non-weighted codes.
5279	BCA – Bachelor of Computer Applications	SB7104	Computer Organization	CO2	Understand the classification and characteristics of logic gates, flip-flops, k-map, combinational circuit
5279	BCA – Bachelor of Computer Applications	SB7104	Computer Organization	CO3	Understand the characteristics of Computer Organization, Instruction format, types of instruction format, instruction cycle, interrupts

5279	BCA – Bachelor of Computer Applications	SB7104	Computer Organization	CO4	Deliberate ALU,one address,two address and three address instruction format,data transfer and data manipulation instruction
5279	BCA – Bachelor of Computer Applications	SB7104	Computer Organization	CO5	Understand in details with examples Memory management,input devices,output devices,storage devices
5279	BCA – Bachelor of Computer Applications	SB7105	Discrete Mathematics	CO1	Understand the characteristics of Matrices
5279	BCA – Bachelor of Computer Applications	SB7105	Discrete Mathematics	CO4	Understand the details of groups and vectors
5279	BCA – Bachelor of Computer Applications	SB7105	Discrete Mathematics	CO5	Identify the classification and characteristics of analytical geometry
5279	BCA – Bachelor of Computer Applications	SB7105	Discrete Mathematics	CO2	Understand in details with examples sets, functions and logic
5279	BCA – Bachelor of Computer Applications	SB7105	Discrete Mathematics	CO3	Identify in details with application, if applicable, logarithms, permutation and combination
5279	BCA – Bachelor of Computer Applications	SB7103	DIGITAL ELECTRONICS	CO1	Learn the details of Introduction to network theorems and AC fundamentals: Ohm’s law: Statement, explanation. Kirchhoff’s law: Statement & explanation of KCL and KVL. Mesh/loop analysis
5279	BCA – Bachelor of Computer Applications	SB7103	DIGITAL ELECTRONICS	CO2	Understand in depth Semiconductor Devices: Introduction, atomic structure, energy level, energy band diagram in solids, classification of conductors, insulators and semiconductors. Semiconductor, properties, crystal structure of semiconductor, types – intrinsic and extrinsic semiconductor
5279	BCA – Bachelor of Computer Applications	SB7103	DIGITAL ELECTRONICS	CO3	Deliberate in details with application, if applicable, Number Systems: Introduction to number systems – positional and non-positional, Base /Radix. Decimal number system-Definition, digits, radix/base, Binary number system – Bit Byte, Conversions: Binary to Decimal and Decimal to Binary
5279	BCA – Bachelor of Computer Applications	SB7103	DIGITAL ELECTRONICS	CO4	Learn in depth Logic Gates: AND Gate: Definition, symbol truth table, timing diagram
5279	BCA – Bachelor of Computer Applications	SB7103	DIGITAL ELECTRONICS	CO5	Specify in details with application, if applicable, Sequential Circuits: Importance of clock in digital circuit and introduction to flip flop. Flip –flop-difference between latch and flip-flop.

5279	BCA – Bachelor of Computer Applications	SB7106	Data structures	CO3	Specify the classification and characteristics of Linked list: Definition, Representation of Singly linked list in memory, Traversing a Singly linked list, Searching a Singly linked list, Memory allocation, Garbage collection, Insertion into a singly linked list
5279	BCA – Bachelor of Computer Applications	SB7106	Data structures	CO4	Identify in details with application, if applicable, Stacks – Definition, Array representation of stacks, Linked representation of stacks, Stack as ADT. Queues – Definition, Array representation of queue, Linked list representation of queues Types of queue.
5279	BCA – Bachelor of Computer Applications	SB7106	Data structures	CO5	Write down in details with application, if applicable, Graphs: Graph theory terminology, Sequential representation of Graphs: Adjacency matrix, traversing a Graph. Tree – Definitions, Binary trees, Representing binary trees in memory, Traversing Binary Trees.
5279	BCA – Bachelor of Computer Applications	SB7106	Data structures	CO1	Learn in details with examples Data Structures, data structures operations, Abstract data types, algorithms complexity, time-space tradeoff. Preliminaries: Mathematical notations and functions, Algorithmic notations
5279	BCA – Bachelor of Computer Applications	SB7106	Data structures	CO2	Deliberate the classification and characteristics of Arrays: Definition, Linear arrays, arrays as ADT, Representation of Linear Arrays in Memory, Traversing Linear arrays, Inserting and deleting, Sorting: Bubble sort, Insertion sort, Selection sort, Searching
5279	BCA – Bachelor of Computer Applications	SB7107	Database Management System	CO4	Understand in details with application, if applicable, Relational Database Language:
5279	BCA – Bachelor of Computer Applications	SB7107	Database Management System	CO5	Identify the details of Transaction Processing Concepts:
5279	BCA – Bachelor of Computer Applications	SB7107	Database Management System	CO3	Specify in details with examples Functional Dependencies and Normalization for Relational Database:
5279	BCA – Bachelor of Computer Applications	SB7107	Database Management System	CO1	Learn in details with application, if applicable, Introduction: Database, DBMS
5279	BCA – Bachelor of Computer Applications	SB7107	Database Management System	CO2	Write down the classification and characteristics of Data Modeling Using the Entity-Relationship Model:
5279	BCA – Bachelor of Computer Applications	SB7108	Numerical and Statistical Methods	CO1	Understand in details with examples Floating Points and roots of equations
5279	BCA – Bachelor of Computer Applications	SB7108	Numerical and Statistical Methods	CO2	Write down in details with examples statistics

5279	BCA – Bachelor of Computer Applications	SB7108	Numerical and Statistical Methods	CO3	Identify in depth probability
5279	BCA – Bachelor of Computer Applications	SB7108	Numerical and Statistical Methods	CO4	Understand in depth Interpolation and numerical differentiation
5279	BCA – Bachelor of Computer Applications	SB7108	Numerical and Statistical Methods	CO5	Write down the classification and characteristics of System of linear equations
5279	BCA – Bachelor of Computer Applications	ENGC3S	English	CO1	Develop English language skills in listening, speaking, reading and writing by having learners engage in a range of communicative tasks and activities suiting Indian context.
5279	BCA – Bachelor of Computer Applications	ENGC3S	English	CO-2	Encourage the use of strategies, such as contextualization of new vocabulary, use of previewing, skimming and scanning techniques, and knowledge of text organization and discourse markers, to aid the comprehension of written and spoken language.
5279	BCA – Bachelor of Computer Applications	ENGC3S	English	CO-3	Demonstrate an awareness of the significance of literature and of literary form by being conversant about the functions of texts and their relations with historical, social and political contexts.
5279	BCA – Bachelor of Computer Applications	ENGC3S	English	CO-4	Create awareness about the new learning styles to comprehend the theme and genre and the relevance of it in a better and deeper way and also to increase the competence in the use of ICT so that learners may more effectively achieve academic goals.
5279	BCA – Bachelor of Computer Applications	ENGC3S	English	CO-5	Learn and practice academic paragraph and essay elements including a central idea supported by relevant details and transitions, with unity and organization.
5279	BCA – Bachelor of Computer Applications	SB7109	Object Oriented Programming using C++	CO1	understand the c++ features, functions
5279	BCA – Bachelor of Computer Applications	SB7109	Object Oriented Programming using C++	CO3	Specify characteristics of Operator overloading
5279	BCA – Bachelor of Computer Applications	SB7109	Object Oriented Programming using C++	CO5	Learn in details with examples about Template concept and Exception handling methods
5279	BCA – Bachelor of Computer Applications	SB7109	Object Oriented Programming using C++	CO4	Identify the purpose of Virtual functions, friend function
5279	BCA – Bachelor of Computer Applications	SB7109	Object Oriented Programming using C++	CO2	learn in depth about Objects and Classes, Constructors & destructors
5279	BCA – Bachelor of Computer Applications	SB7110	Financial Accounting and Management	CO1	Write down the classification and characteristics of History and Development of Accounting

5279	BCA – Bachelor of Computer Applications	SB7110	Financial Accounting and Management	CO2	Learn in details with application, if applicable, Financial Accounting Process
5279	BCA – Bachelor of Computer Applications	SB7110	Financial Accounting and Management	CO3	Specify the characteristics of Accounting for bills of Exchange
5279	BCA – Bachelor of Computer Applications	SB7110	Financial Accounting and Management	CO4	Understand the details of Preparation of Final Accounts
5279	BCA – Bachelor of Computer Applications	SB7110	Financial Accounting and Management	CO5	Learn in details with examples Accounting package like tally
5279	BCA – Bachelor of Computer Applications	SB7111	Operating System	CO5	Deliberate in details with examples Protection and Security
5279	BCA – Bachelor of Computer Applications	SB7111	Operating System	CO4	Learn the details of File management
5279	BCA – Bachelor of Computer Applications	SB7111	Operating System	CO3	Learn the details of Memory Management
5279	BCA – Bachelor of Computer Applications	SB7111	Operating System	CO2	Identify in details with application, if applicable, Process Synchronization and deadlocks
5279	BCA – Bachelor of Computer Applications	SB7111	Operating System	CO1	Deliberate in details with application, if applicable, Batch Systems, Concepts of Multi programming and Time Sharing
5279	BCA – Bachelor of Computer Applications	SB7112	Visual Programing	CO1	Understanding Visual programming IDE,events and methods
5279	BCA – Bachelor of Computer Applications	SB7112	Visual Programing	CO2	Write down the details of Arrays,menus and toolbars
5279	BCA – Bachelor of Computer Applications	SB7112	Visual Programing	CO3	Specify in details with examples OOPs methods and properties,file handling,Active X
5279	BCA – Bachelor of Computer Applications	SB7112	Visual Programing	CO4	Identify in details with application, Visual C++ Programming ,VC++ components
5279	BCA – Bachelor of Computer Applications	SB7112	Visual Programing	CO5	Understand the classification and characteristics of Interfacing other applications,OLE,DLL,ODBC
5279	BCA – Bachelor of Computer Applications	SB7113	Unix Shell programming	CO2	Deliberate the details of Introduction to Unix system architecture,Unix File System and Process Management
5279	BCA – Bachelor of Computer Applications	SB7113	Unix Shell programming	CO2	Write down in depth Secondary Storage Management
5279	BCA – Bachelor of Computer Applications	SB7113	Unix Shell programming	CO3	Identify in details with examples Shell Programming
5279	BCA – Bachelor of Computer Applications	SB7113	Unix Shell programming	CO4	Deliberate in details with examples Conditional Control Structures
5279	BCA – Bachelor of Computer Applications	SB7113	Unix Shell programming	CO5	Specify the details of Unix System Communication
5279	BCA – Bachelor of Computer Applications	SB7114	Operation Research	CO4	Understand the details of Network Analysis
5279	BCA – Bachelor of Computer Applications	SB7114	Operation Research	CO5	Write down in details with examples Theory of Games
5279	BCA – Bachelor of Computer Applications	SB7114	Operation Research	CO1	Identify the details of Linear Programming Problems
5279	BCA – Bachelor of Computer Applications	SB7114	Operation Research	CO2	Specify the classification and characteristics of Transportation Problem
5279	BCA – Bachelor of Computer Applications	SB7114	Operation Research	CO3	Write down in depth Assignment Problem

5279	BCA – Bachelor of Computer Applications	SB7115	Data Communication and Networks	CO3	Learn the characteristics of Peer –to-Peer Protocols, ARQ protocol and types, DLC, HDLC, PPP, Statistical multiplexing
5279	BCA – Bachelor of Computer Applications	SB7115	Data Communication and Networks	CO4	Learn the characteristics of Local Area Networks and Medium access Control Protocols, ALOHA, CSMA, CSMA/CD, Channelization – FDMA, TDMA, CDMA
5279	BCA – Bachelor of Computer Applications	SB7115	Data Communication and Networks	CO5	Identify in details with examples LAN Standard –Ethernet and IEF, 802.3, LAN Bridges , Routing algorithms, congestion control algorithms
5279	BCA – Bachelor of Computer Applications	SB7115	Data Communication and Networks	CO2	Specify in details with examples Transmission Systems:properties, transmission media, Error detactions and error correction techniques, TDM,FDM, SONET, Cellular Networks
5279	BCA – Bachelor of Computer Applications	SB7115	Data Communication and Networks	CO1	Learn in depth Communication Network and services, Approaches to Network Design, Network Functions and Network Topology, Message ,packet and circuit Switching , Internet, Packet Switching ; Key factors in Communication Network Evolution ; Layered Architecture and Applications – Examples of Layering , OSI Reference Model, TCP/IP Model Telnet FTP and IP Utilities. Digital Transmission: Digital Representation of Information: Properties of digital transmission: Characterization of Communication Channels Frequency Domain and Time Domain : Fundamental limits in Digital Communication – The Nyquist Signalling rate, The Shannon channel capacity : Line coding , Modems & digital Modulations
5279	BCA – Bachelor of Computer Applications	SB7116	Software Engineering	CO1	Identify in details with application, if applicable, Introduction to software products & process
5279	BCA – Bachelor of Computer Applications	SB7116	Software Engineering	CO2	Learn the characteristics of Software prototyping:prototyping in software process
5279	BCA – Bachelor of Computer Applications	SB7116	Software Engineering	CO3	Identify the classification and characteristics of Object oriented and function oriented design
5279	BCA – Bachelor of Computer Applications	SB7116	Software Engineering	CO4	Deliberate the characteristics of Software reliability and reusability
5279	BCA – Bachelor of Computer Applications	SB7116	Software Engineering	CO5	Learn the classification and characteristics of Software verification and validation:testing process
5279	BCA – Bachelor of Computer Applications	SB7117	Computer Architecture	CO5	Understand the asynchronous data transfer techniques, data transfer modes
5279	BCA – Bachelor of Computer Applications	SB7117	Computer Architecture	CO4	Understand in details with bus organization, instruction formats, addressing modes

5279	BCA – Bachelor of Computer Applications	SB7117	Computer Architecture	CO1	Understand the classification and characteristics of Digital logic circuits, flip flops, multiplexers, k map
5279	BCA – Bachelor of Computer Applications	SB7117	Computer Architecture	CO2	Learn in details with number system, binary codes, data transfer operations
5279	BCA – Bachelor of Computer Applications	SB7117	Computer Architecture	CO3	Learn the complete computer description
5279	BCA – Bachelor of Computer Applications	SB7118	Java Programming	CO1	Write down in details with examples Introduction to JAVA
5279	BCA – Bachelor of Computer Applications	SB7118	Java Programming	CO2	Write down in depth Classes, Arrays, Strings and Vectors
5279	BCA – Bachelor of Computer Applications	SB7118	Java Programming	CO3	Write down the details of Interfaces, Packages, and Multi threaded Programming
5279	BCA – Bachelor of Computer Applications	SB7118	Java Programming	CO4	Understand the classification and characteristics of Managing Exceptions, Applet Programming
5279	BCA – Bachelor of Computer Applications	SB7118	Java Programming	CO5	Identify the classification and characteristics of Graphics Programming, Input/Output: Graphics programming
5279	BCA – Bachelor of Computer Applications	SB7119	Microprocessor and Assembly Language	CO2	Understand the details of programs of 8085
5279	BCA – Bachelor of Computer Applications	SB7119	Microprocessor and Assembly Language	CO1	Write down the characteristics of Architecture and operations of 8085
5279	BCA – Bachelor of Computer Applications	SB7119	Microprocessor and Assembly Language	CO5	Identify in details with examples Interfacing I/o Devices
5279	BCA – Bachelor of Computer Applications	SB7119	Microprocessor and Assembly Language	CO4	Identify in details with application, if applicable, Interfacing Memory
5279	BCA – Bachelor of Computer Applications	SB7119	Microprocessor and Assembly Language	CO3	Write down the characteristics of Programming model and looping
5279	BCA – Bachelor of Computer Applications	SB7120	Theory of Computation	CO1	Identify in depth Introduction to Finite Automata: The central concepts of Automata theory; Deterministic finite automata; Nondeterministic finite automata. An application of finite automata, Finite automata with Epsilon transitions
5279	BCA – Bachelor of Computer Applications	SB7120	Theory of Computation	CO2	Deliberate the details of Regular Expressions: Finite Automata and Regular Expressions Applications of Regular Expressions. Regular languages; Proving languages not to be regular languages; Closure properties of regular languages
5279	BCA – Bachelor of Computer Applications	SB7120	Theory of Computation	CO3	Understand the details of Context-free grammars: Parse trees; Applications; Ambiguity in grammars and Languages. Definition of the Pushdown automata; the languages of a PDA; Equivalence of PDA's and CFG's

5279	BCA – Bachelor of Computer Applications	SB7120	Theory of Computation	CO5	Specify the classification and characteristics of The Turing machine:Programming techniques for Turing Machines. Undecidability, A Language that is not recursively enumerable
5279	BCA – Bachelor of Computer Applications	SB7120	Theory of Computation	CO4	Specify in details with examples Deterministic Pushdown Automata:Normal forms for CFGs; The pumping lemma for CFGs; Closure properties of CFLs
5279	BCA – Bachelor of Computer Applications	SB7120	Theory of Computation	CO6	Understand the classification and characteristics of The Turing machine:Programming techniques for Turing Machines. Undecidability, A Language that is not recursively enumerable
5279	BCA – Bachelor of Computer Applications	SB7121	System Programming	CO1	Specify in details with examples Introduction of System Programming
5279	BCA – Bachelor of Computer Applications	SB7121	System Programming	CO2	Specify the classification and characteristics of Assemblers, Pass 1 and Pass 2, Searching and sorting
5279	BCA – Bachelor of Computer Applications	SB7121	System Programming	CO3	Features of Macro Processor, Data structures, databases, Pass1 and Pass 2 macro processor
5279	BCA – Bachelor of Computer Applications	SB7121	System Programming	CO4	Specify the characteristics of Loaders, different loader schemes, dynamic linking and loading
5279	BCA – Bachelor of Computer Applications	SB7121	System Programming	CO5	Understand the details of Compilers, stages of compilers with databases
5279	BCA – Bachelor of Computer Applications	SB7122	Cryptography and Network Security	CO3	Deliberate the details of Encipherment using modern symmetric key ciphers
5279	BCA – Bachelor of Computer Applications	SB7122	Cryptography and Network Security	CO4	Specify the classification and characteristics of Cryptography hash functions,SHA512,digital signatures,Kerberos
5279	BCA – Bachelor of Computer Applications	SB7122	Cryptography and Network Security	CO5	Understand in details with examples Smime,PGP,SSL architecture,SSL Message format
5279	BCA – Bachelor of Computer Applications	SB7122	Cryptography and Network Security	CO2	Identify the classification and characteristics of Traditional symmetric key ciphers,DES,AES
5279	BCA – Bachelor of Computer Applications	SB7122	Cryptography and Network Security	CO1	Understand in details security goals,cryptographic attacks,services and mechanism,techniques
5279	BCA – Bachelor of Computer Applications	SB7123	Web Programming	CO1	Understand the details of Fundamentals of web
5279	BCA – Bachelor of Computer Applications	SB7123	Web Programming	CO2	Identify in depth HTML and XHTML
5279	BCA – Bachelor of Computer Applications	SB7123	Web Programming	CO3	Specify the classification and characteristics of Java Script
5279	BCA – Bachelor of Computer Applications	SB7123	Web Programming	CO4	Deliberate the details of Java Script and HTML documents
5279	BCA – Bachelor of Computer Applications	SB7123	Web Programming	CO5	Deliberate in details with examples Dynamic documents with Java Script