B.COM., COMPUTER APPLICATION

REVISED SYLLABUS (With effect from 2023-24)

Programme Outcomes (PO), Programme Specific Outcomes (PSO), Course Learning Outcomes (CLO)

Programme Outcomes (PO)

PO1: Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study

PO2: Communication Skills: Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information in a clear and concise manner to different groups.

PO3: Critical thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientificapproach to knowledge development.

PO4: Problem solving: Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non- familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real life situations.

PO5: Analytical reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints

PO6: Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problem arising, synthesising and articulating; Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation

PO7: Cooperation/Team work: Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member ofa team

PO8: Scientific reasoning: Ability to analyse, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasonedperspective.

PO9: Reflective thinking: Critical sensibility to lived experiences, with self awareness and reflexivity of both self and society.

PO10 Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and

use appropriate softwarefor analysis of data.

PO 11 Self-directed learning: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.

PO 12 Multicultural competence: Possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to effectively engage in a multicultural society and interact respectfully with diverse groups.

PO 13: Moral and ethical awareness/reasoning: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one‟s work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarism, not adhering to intellectual property rights; appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work.

PO 14: Leadership readiness/qualities: Capability for mapping out the tasks of a team or an organization, and setting direction, formulating an inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with thatvision, and using management skills to guide people to the right destination, in a smooth and efficient way.

PO 15: Lifelong learning: Ability to acquire knowledge and skills, including „learning how to learn‟, that are necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives, and adapting to changing trades and demands of work place through knowledge/skill development/reskilling.

ProgrammeSpecific Outcomes (PSO):

PSO1 – Placement:

To prepare the students who will demonstrate respectful engagementwith others' ideas, behaviors, beliefs and apply diverse frames of reference to decisions and actions.

PSO 2 - Entrepreneur:

To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitatestartups and high potential organizations

PSO3 – Research and Development:

Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.

PSO4 – Contribution to Business World:

To produce employable, ethical and innovative professionals to sustain in the dynamic business world.

PSO 5 – Contribution to the Society:

To contribute to the development of the society by collaborating with stakeholders for mutual benefit

Highlights of the Revamped Curriculum:

B.COM COMPUTER APPLICATION

Part	Course Code	Title of the Course	Credits	Hours
FIRST YEAR				
FIRST SEMESTER				
Part I		Language – Tamil	**3**	**6**
Part II		English	**3**	**4**
Part III		Core Paper I –**Financial Accounting I**	**4**	**5**
Part III		Core Paper II - **Principles of Management**	**4**	**5**
Part III		Elective I - Programming in C and Lab		
		Elective I - Python Programming and Lab	**3**	**4**
Part IV		Skill Enhancement Course SEC – 1	**2**	**2**
		Foundation Course FC	**2**	**2**
		Ability Enhancement Course (AECC 1) (Soft Skill)	**2**	**2**
		TOTAL	**23**	**30**
SECOND SEMESTER				
Part I		Language – Tamil	**3**	**6**
Part II		English	**3**	**4**
Part III		Core Paper III –**Financial Accounting II**	**4**	**5**
Part III		Core Paper IV-**Business Law**	**4**	**5**
Part III		Elective II - Office Automation and Lab		
		Elective II - Programming in C++ and Lab	**3** **3**	**4**
Part IV		Skill Enhance Course SEC – 2	**2**	**2**
		Skill Enhancement Course – SEC 3	**2**	**2**
		Ability Enhancement Course (AECC 2) (Soft Skill)	**2**	**2**
		TOTAL	**23**	**30**
SECOND YEAR				
THIRD SEMESTER				
Part I		Language – Tamil	**3**	**6**
Part II		English	**3**	**4**
Part III		Core Paper V- **Corporate Accounting I**	**4**	**5**
Part III		Core Paper VI – **Business Mathematics and Statistics**	**4**	**5**

Part IV		Elective III – Programming in JAVA and Lab	**3**	**4**
		Elective III – Web Technology(PHP) and Lab		
Part IV		Skill Enhance Course SEC – 4	**1**	**1**
		Skill Enhancement Course – SEC 5	**2**	**2**
		Ability Enhancement Course (AECC 3) (Soft Skill)	**2**	**2**
		Environmental Studies	**1**	**1**
		TOTAL	**23**	**30**
FOURTH SEMESTER				
Part I		Language – Tamil	**3**	**6**
Part II		English	**3**	**4**
Part III		Core Paper VII–**Corporate Accounting II**	**4**	**5**
Part III		Core Paper VIII-**Company Law**	**4**	**5**
Part III		Elective IV– Relational Database Management System	**3**	**3**
		Elective IV– Introduction to Data Science		
Part IV		Skill Enhance Course SEC – 6	**2**	**2**
		Skill Enhancement Course – SEC 7	**2**	**2**
		Ability Enhancement Course (AECC 4) (Soft Skill)	**2**	**2**
		Environmental Studies	**1**	**1**
		TOTAL	**24**	**30**
THIRD YEAR				
FIFTH SEMESTER				
Part III		Core Paper IX –**Cost Accounting I**	**4**	**5**
Part III		Core Paper X - **Banking Law and Practice**	**4**	**5**
Part III		Core Paper XI – **Income Tax Law and Practice I**	**4**	**5**
Part III		Core Paper XII – **Auditing and Corporate Governance**	**4**	**5**
Part III		Discipline Specific Elective 1/2 - Financial Management / 2/2 - Indirect Taxation	**3**	**4**
		Discipline Specific Elective 3/4 – Software Engineering+(UML Lab)/4/4Object oriented Analysis and Design+(UML Lab)	**3**	**4**
Part IV		Value Education	**2**	**2**
		Summer Internship / Industrial Training	**2**	**-**

		TOTAL	**26**	**30**
SIXTH SEMESTER				
Part III		Core Paper XIII –**Cost Accounting - II**	**4**	**6**
Part III		Core Paper XIV-**Management Accounting**	**4**	**6**
Part III		Core Paper XV- **Income Tax Law and Practice II**	**4**	**6**
Part III		Discipline Specific Elective ⅝- Entrepreneurial Development / 6/6-Human Resource Management	**3**	**5**
		Discipline Specific Elective 7/8- R Language/ 8/8 –Practical Tally	**3**	**5**
		General awareness for Competitive Examination	**2**	**2**
Part V		Extension Activity	**1**	**-**
		TOTAL	**21**	**30**
GRAND TOTAL			**140**	**180**

CORE – I: FINANCIAL ACCOUNTING I

Subject Code	**L**	**T**	**P**	**S**	**Credits**	**Inst. Hours**	**Marks**		
							CIA	**External**	**Total**
	5				**4**	**5**	**25**	**75**	**100**

Learning Objectives	
LO1	To understand the basic accounting concepts and standards.
LO2	To know the basis for calculating business profits.
LO3	To familiarize with the accounting treatment of depreciation.
LO4	To learn the methods of calculating profit for single entry system.
LO5	To gain knowledge on the accounting treatment of insurance claims.
CO	**Course Outcomes**
CO1	Remember the concept of rectification of errors and Bank reconciliation statements
CO2	Apply the knowledge in preparing detailed accounts of sole trading concerns
CO3	Analyse the various methods of providing depreciation
CO4	Evaluate the methods of calculation of profit
CO5	Determine the royalty accounting treatment and claims from insurance companies in case of loss of stock.

MAPPING WITH PROGRAMME OUTCOMESAND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	3	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	2	3	3	3	2	2	2	3	2	2
TOTAL	15	10	15	15	13	11	10	10	15	10	10
AVERAGE	3	2	3	3	2.6	2.2	2	2	3	2	2

3 – Strong, 2- Medium, 1- Low

CORE – II: PRINCIPLES OF MANAGEMENT

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				**4**	**5**	**25**	**75**	**100**

Learning Objectives	
LO1	To understand the basic management concepts and functions
LO2	To know the various techniques of planning and decision making
LO3	To familiarize with the concepts of organisation structure
LO4	To gain knowledge about the various components of staffing
LO5	To enable the students in understanding the control techniques of management
Course Outcomes	
CO1	Demonstrate the importance of principles of management.
CO2	Paraphrase the importance of planning and decision making in an organization.
CO3	Comprehend the concept of various authorizes and responsibilities of an organization.
CO4	Enumerate the various methods of Performance appraisal
CO5	Demonstrate the notion of directing, co-coordination and control in the management.

MAPPING WITH PROGRAMME OUTCOMES
AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	2	3	3	2	2	2	3	2	3
CO2	3	2	3	3	2	2	2	2	3	2	2
CO3	3	2	2	3	2	2	2	1	3	2	2
CO4	3	2	2	3	2	2	2	2	3	2	2
CO5	3	2	3	3	2	2	2	1	3	2	2
TOTAL	15	10	12	15	11	10	10	8	15	10	11
AVERAGE	3	2	2.4	3	2.2	2	2	1.6	3	2	2.2

3 – Strong, 2- Medium, 1- Low

ELECTIVE - I: PROGRAMMING IN C AND LAB

Subject Code	**L**	**T**	**P**	**S**	**Credits**	**Inst. Hours**	**Marks**		
							CIA	**External**	**Total**
	2		**2**		**3**	**4**	**25**	**75**	**100**

Learning Objectives	
LO1	Describe the core syntax and semantics of C programming language.
LO2	Discover the need for working with the strings and functions.
LO3	Illustrate the process of structuring the data using matrix, struct .
Course Outcomes	
CO1	Apply the concept of Control Structures to solve any given problem.
CO2	Apply the concept of single and multi-dimensional arrays to solve problems related to searching, sorting and matrix operations.
CO3	Apply the concept of Strings for writing programs related to character array.
CO4	Write programs using concept of user defined and recursive functions.
CO5	Apply concept of structures to write programs.

FIRST YEAR – SEMESTER – I

C Programming Lab	
Learning Objectives: (for teachers: what they have to do in the class/lab/field) • Understand problem statements and identify appropriate solutions. • Demonstrate the use of IDE and C Compiler. • Develop programs using C Programming Language.	
Course Outcomes: (for students: To know what they are going to learn) **CO1:** Apply the concept of Control Structures to solve any given problem. **CO2:** Apply the concept of single and multi-dimensional arrays to solve problems related to searching, sorting and matrix operations. **CO3:** Apply the concept of Strings for writing programs related to character array. **CO4:** Write programs using concept of user defined and recursive functions. **CO5:** Apply concept of structures to write programs.	

ELECTIVE - I: PYTHON PROGRAMMING AND LAB

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	2		2		3	4	25	75	100

Learning Objectives	
LO1	Describe the core syntax and semantics of Python programming language.
LO2	Discover the need for working with the strings and functions.
LO3	Illustrate the process of structuring the data using lists, dictionaries, tuples and sets.
LO4	Understand the usage of packages and Dictionaries

Course Outcomes	
CO1	Develop and execute simple Python programs
CO2	Write simple Python programs using conditionals and looping for solving problems
CO3	Decompose a Python program into functions
CO4	Represent compound data using Python lists, tuples, dictionaries etc.

Python Programming Lab	

Learning Objectives: (for teachers: what they have to do in the class/lab/field)

- Acquire programming skills in core Python.
- Acquire Object-oriented programming skills in Python.
- Develop the skill of designing graphical-user interfaces (GUI) in Python.
- Develop the ability to write database applications in Python.
- Acquire Python programming skills to move into specific branches

Course Outcomes: (for students: To know what they are going to learn)

CO1: To understand the problem solving approaches

CO2: To learn the basic programming constructs in Python

CO3: To practice various computing strategies for Python-based solutions to real world problems

CO4: To use Python data structures - lists, tuples, dictionaries.

FIRST YEAR – SEMESTER - II

CORE – III: FINANCIAL ACCOUNTING-II

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100
Learning Objectives									
LO1	The students are able to prepare different kinds of accounts such Higher purchase and Instalments System.								
LO2	To understand the allocation of expenses under departmental accounts								
LO3	To gain an understanding about partnership accounts relating to Admission and retirement								
LO4	Provides knowledge to the learners regarding Partnership Accounts relating to dissolution of firm								
LO5	To know the requirements of international accounting standards								
Course Outcomes									
CO1	To evaluate the Hire purchase accounts and Instalment systems								
CO2	To prepare Branch accounts and Departmental Accounts								
CO3	To understand the accounting treatment for admission and retirement in partnership								
CO4	To know Settlement of accounts at the time of dissolution of a firm.								
CO5	To elaborate the role of IFRS								

MAPPING WITH PROGRAMME OUTCOMES
AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	2	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	3	3	3	3	3	3	3	3	3	3
TOTAL	16	11	14	15	14	12	11	11	15	11	11
AVERAGE	3.2	2.2	2.8	3	2.8	2.4	2.2	2.2	3	2.2	2.2

3 – Strong, 2- Medium, 1- Low

FIRST YEAR – SEMESTER – II

CORE – IV: BUSINESS LAW

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100
Learning Objectives									
LO1	To know the nature and objectives of Mercantile lawand the essentials of valid contract								
LO2	To gain knowledge on performance contracts								
LO3	To be acquainted with the rules of Indemnity and Guarantee								
LO4	To make aware of the essentials of Bailment and pledge								
LO5	To understand the provisions relating to sale of goods								
Course Outcome									
CO1	Explain the Objectives and significance of Mercantile law								
CO2	Understand the clauses and exceptions of Indian Contract Act.								
CO3	Outline the contract of indemnity and guarantee								
CO4	Familiar with the provision relating to Bailment and Pledge								
CO5	Explain the various provisions of Sale of Goods Act 1930								

MAPPING WITH PROGRAMME OUTCOMES
AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	2	3	2	2	2	2	2	2	2
CO2	3	2	3	3	2	2	2	2	2	2	2
CO3	3	2	2	3	2	2	2	2	2	2	2
CO4	3	2	3	3	2	2	2	2	2	2	2
CO5	3	2	3	3	2	2	2	2	2	2	2
TOTAL	15	10	13	15	10	10	10	10	10	10	10
AVERAGE	3	2	2.6	3	2	2	2	2	2	2	2

3 – Strong, 2- Medium, 1- Low

FIRST YEAR – SEMESTER – II

ELECTIVE– II: OFFICE AUTOMATION AND LAB

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	2		**2**		**3**	**4**	**25**	**75**	**100**

Learning Objectives	
LO1	The major objective in introducing the Computer Skills course is to impart training for students in Microsoft Office which has different components like MS Word, MS Excel and Power point.
LO2	The course is highly practice oriented rather than regular class room teaching.
LO3	To acquire knowledge on editor, spread sheet and presentation software.
Course Outcomes	
CO1	Understand the basics of computer systems and its components.
CO2	Understand and apply the basic concepts of a word processing package.
CO3	Understand and apply the basic concepts of electronic spreadsheet software.
CO4	Understand and apply the basic concepts of database management system.
CO5	Understand and create a presentation using PowerPoint tool.

Office Automation Lab	
Learning Objectives: (for teachers: what they have to do in the class/lab/field) Office tools course would enable the students in crafting professional word documents, excel spread sheets, power point presentations using the Microsoft suite of office tools. To familiarize the students in preparation of documents and presentations with office automation tools.	
Course Outcomes: (for students: To know what they are going to learn) **CO1:** to perform documentation **CO2:** to perform accounting operations **CO3:** to perform presentation skills	

FIRST YEAR – SEMESTER - II

ELECTIVE - II: PROGRAMMING IN C++ AND LAB

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	2		2		3	4	25	75	100
Learning Objectives									
LO1	To engender an appreciation for the need and characteristics of Object-orientation.								
LO2	To impart knowledge of the C++ language grammar in order to design and implement programming solutions to simple problems by applying Object-oriented thinking.								
Course Outcomes									
CO1	Explain the various basic concepts of Object-orientation.								
CO2	Write programs to implement static binding								
CO3	Write programs to implement inheritance and dynamic binding								
CO4	Write programs to implement templates and exception handling and learn how to use STL class library.								
CO5	Write programs implementing File and Stream I/O.								

FIRST YEAR – SEMESTER - II

Object Oriented Programming with C++	
Learning Objectives: (for teachers: what they have to do in the class/lab/field) • Design classes for the given problems. • Write programs in C++. • Code, debug and execute a C++ program to solve the given problems using an IDE.	
Course Outcomes: (for students: To know what they are going to learn)CO1: Design and create classes.Implement Stream I/O as appropriate. CO2: Design appropriate data members and member functions. CO3: Implement functions, friend functions, static members, constructors and compile-time polymorphism. CO4: Implement inheritance, run-time polymorphism and destructors. CO5: Implement templates and exceptions. Use STL class library.Implement File I/O.	

SECOND YEAR – SEMESTER - III
CORE – V: CORPORATE ACCOUNTING I

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100

Learning Objectives	
LO1	To understand about the pro-rata allotmentand Underwriting of Shares
LO2	To know the provisions of companies Act regarding Issue and Redemption of Preference shares and debentures
LO3	To learn the form and contents of financial statements as per Schedule III of Companies Act 2013
LO4	To examine the various methods of valuation of Goodwill and shares
LO5	To identify the Significance of International financial reporting standard (IFRS)
Course Outcomes	
CO1	Prepare and account for various entries to be passed in case of issue, forfeiture and reissue of shares and compute the liability of underwrites
CO2	Asses the accounting treatment of issue and redemption of preference shares and debentures
CO3	Construct Financial Statements applying relevant accounting treatments
CO4	Compute the value of goodwill and shares under different methods and assess its applicability
CO5	Integrate theoretical knowledge on all accounting in par with IFRS and IND AS

MAPPING WITH PROGRAMME OUTCOMES
AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	2	2	2	3	2	2
CO2	3	2	3	2	2	2	2	2	3	2	2
CO3	3	2	3	2	3	2	2	2	3	2	2
CO4	3	1	3	2	3	2	2	2	3	2	2
CO5	3	3	3	2	3	2	2	2	3	2	2
TOTAL	15	11	15	10	13	10	10	10	15	10	10
AVERAGE	3	2.2	3	2	2.6	2	2	2	3	2	2

3 – Strong, 2- Medium, 1- Low

SECOND YEAR – SEMESTER - III

CORE – VI: BUSINESS MATHEMATICS & STATISTICS

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100

Learning Objectives	
LO1	To impart knowledge on the basics of ratio, proportion, indices and proportions
LO2	To learn about simple and compound interest and arithmetic, geometric and harmonic progressions.
LO3	To familiarise with the measures of central tendency
LO4	To conceptualise with correlation co-efficient
LO5	To gain knowledge on time series analysis
Course Outcomes	
CO1	Learn the basics of ratio, proportion, indices and logarithm
CO2	Familiarise with calculations of simple and compound interest and arithmetic, geometric and harmonic progressions.
CO3	Determine the various measures of central tendency
CO4	Calculate the correlation and regression co-efficient.
CO5	Assess problems on time series analysis

MAPPING WITH PROGRAMME OUTCOMES
AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	2	2	3	2	3	2	2
CO2	3	2	3	2	3	2	3	2	3	2	2
CO3	3	2	3	2	3	2	3	2	3	2	2
CO4	3	2	3	2	2	2	3	2	3	2	2
CO5	3	2	3	2	2	2	3	2	3	2	2
TOTAL	15	10	15	10	12	10	15	10	15	10	10
AVERAGE	3	2	3	2	2.4	2	3	2	3	2	2

3 – Strong, 2- Medium, 1- Low

SECOND YEAR – SEMESTER – III

ELECTIVE - III: PROGRAMMING IN JAVA AND LAB

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	2		**2**		**3**	**4**	**25**	**75**	**100**

Learning Objectives	
LO1	To provide fundamental knowledge of object-oriented programming.
LO2	To equip the student with programming knowledge in Core Java from the basics up.
LO3	To enable the students to use AWT controls, Event Handling and Swing for GUI.
Course Outcomes	
CO1	Understand the basic Object-oriented concepts.Implement the basic constructs of Core Java
CO2	Implement inheritance, packages, interfaces and exception handling of Core Java.
CO3	Implement multi-threading and I/O Streams of Core Java

Java Programming Lab	**Core -S2EC1L**
Learning Objectives: (for teachers: what they have to do in the class/lab/field) • To gain practical expertise in coding Core Java programs • To become proficient in the use of AWT, Event Handling and Swing.	

Course Outcomes: (for students: To know what they are going to learn) CO1: Code, debug and execute Java programs to solve the given problems CO2: Implement multi-threading and exception-handling CO3: Implement functionality using String and StringBuffer classes

SECOND YEAR – SEMESTER - III

ELECTIVE III : Web Technology(PHP) and Lab

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	2		2		3	4	25	75	100

Learning Objectives	
LO1	To use PHP and MySQL to develop dynamic web sites for user on the Internet
LO2	To develop web sites ranging from simple online information forms to complex e-commerce sites with MySQL database, building, connectivity, and maintenance

Course Outcomes	
CO1	Understand the general concepts of PHP scripting language for the development of Internetwebsites.
CO2	Understand the basic functions of MySQL database program and XML concepts
CO3	Learn the relationship between the client side and the server side scripts.

SECOND YEAR – SEMESTER – III

WEB TECHNOLOGY LAB	
Learning Objectives: (for teachers: what they have to do in the class/lab/field) • The objectives of this course are to have a practical understanding about how to write PHP code to solve problems. • Display and insert data using PHP and MySQL. • Test, debug, and deploy web pages containing PHP and MySQL. • It also aims to introduce practical session to develop simple applications using PHP and MySQL.	
Course Outcomes: (for students: To know what they are going to learn) 1. On the completion of this laboratory course the students ought to 2. Obtain knowledge and develop application programs using Python. 3. Create dynamic Web applications such as content management, user registration, and ecommerce using PHP and to understand the ability to post and publish a PHP website. 4. Develop a MySQL database and establish connectivity using MySQL.	

SECOND YEAR – SEMESTER – IV

CORE – VII: CORPORATE ACCOUNTING - II

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100

	A	
	LO1	To know the types of Amalgamation, Internal and external Reconstruction
	LO2	To know Final statements of banking companies
	LO3	To understand the accounting treatment of Insurance company accounts
	LO4	To understand theprocedure for preparation of consolidated Balance sheet
	LO5	To have an insight on modes of winding up of a company
Course Outcomes		
	CO1	Understand the accounting treatment of amalgamation, Internal and external reconstruction
	CO2	Construct Profit and Loss account and Balance Sheet of Banking Companies in accordance in the prescribed format.
	CO3	Synthesize and prepare final accounts of Insurance companies in the prescribed format
	CO4	Give the consolidated accounts of holding companies
	CO5	Preparation of liquidator‟s final statement of account

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	2	3	2	3	2	2
CO2	3	2	3	2	3	2	3	2	3	2	2
CO3	3	2	3	2	3	2	3	2	3	2	2
CO4	3	2	3	2	2	2	3	2	3	2	2
CO5	3	2	3	2	2	2	3	2	3	2	2
TOTAL	15	10	15	10	12	10	15	10	15	10	10
AVERAGE	3	2	3	2	2.4	2	3	2	3	2	2

3 – Strong, 2- Medium, 1- Low

SECOND YEAR– SEMESTER– IV

CORE PAPER VIII – COMPANY LAW

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100
Learning Objectives									
LO1	To know Company Law 1956 and Companies Act 2013								
LO2	To have an understanding on the formation of a company								
LO3	To understand the requisites of meeting and resolution								
LO4	To gain knowledge on the procedure to appoint and remove Directors								
LO5	To familiarize with the various modes of winding up								
Course Outcomes									
CO1	Understand the classification of companies under the act								
CO2	Examine the contents of the Memorandum of Association & Articles of Association								
CO3	Know the qualification and disqualification of Auditors								
CO4	Understand the workings of National Company Law Appellate Tribunal (NCLAT)								
CO5	Analyse the modes of winding up								

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	3	3	2	3	3	2	2
CO2	3	2	3	2	3	3	2	3	3	2	2
CO3	3	2	3	2	3	3	2	3	3	2	2
CO4	3	2	3	2	3	3	2	3	3	2	2
CO5	3	2	3	2	3	3	2	3	3	2	2
TOTAL	15	10	15	10	15	15	10	15	15	10	10

AVERAGE	3	2	3	2	3	3	2	3	3	2	2

3 – Strong, 2- Medium, 1- Low

SECOND YEAR – SEMESTER – IV
SECOND YEAR – SEMESTER – IV

ELECTIVE IV –RELATIONAL DATABASE MANAGEMENT SYSTEM

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	3				**3**	**3**	**25**	**75**	**100**

Learning Objectives	
LO1	Gain a good understanding of the architecture and functioning of Database Management Systems
LO2	Understand the use of Structured Query Language (SQL) and its syntax.
LO3	Apply Normalization techniques to normalize a database.
LO4	Understand the need of transaction processing and learn techniques for controlling theconsequences of concurrent data access.
Course Outcomes	
CO1	Describe basic concepts of database system
CO2	Design a Data model and Schemas in RDBMS
CO3	Competent in use of SQL
CO4	Analyse functional dependencies for designing robust Database

SECOND YEAR – SEMESTER - IV

ELECTIVE - IV: INTRODUCTION TO DATA SCIENCE

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	3				3	3	25	75	100
Learning Objectives									
LO1	To introduce the concepts, techniques and tools in Data Science								
LO2	To understand the various facets of data science practice, including data collection and integration, exploratory data analysis, predictive modelling, descriptive modelling and effective communication.								
Course Outcomes									
CO1	To describe what Data Science is, what Statistical Inference means, identify probability distributions, fit a model to data and use tools for basic analysis and communication								
CO2	To describe what Data Science is, what Statistical Inference means, identify probability distributions, fit a model to data and use tools for basic analysis and communication								
CO3	To describe what Data Science is, what Statistical Inference means, identify probability distributions, fit a model to data and use tools for basic analysis and communication								
CO4	To describe what Data Science is, what Statistical Inference means, identify probability distributions, fit a model to data and use tools for basic analysis and communication								
CO5	To describe what Data Science is, what Statistical Inference means, identify probability distributions, fit a model to data and use tools for basic analysis and communication								

THIRD YEAR – SEMESTER - V
CORE – IX: COST ACCOUNTING - I

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100
Learning Objectives									
LO1	To understand the various concepts of cost accounting.								
LO2	To prepare and reconcile Cost accounts.								
LO3	To gain knowledge regarding valuation methods of material.								
LO4	To familiarize with the different methods of calculating labour cost.								
LO5	To know the apportionment of Overheads.								
Course Outcomes									
CO1	Remember and recall the various concepts of cost accounting								
CO2	Demonstrate the preparation and reconciliation of cost sheet.								
CO3	Analyse the various valuation methods of issue of materials.								
CO4	Examine the different methods of calculating labour cost.								
CO5	Critically evaluate the apportionment of Overheads.								

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	2	2	2	2	3	2	2
CO2	3	2	2	2	2	2	2	2	3	2	2
CO3	3	2	3	2	2	2	2	2	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	2	3	2	2	2	2	2	3	2	2
TOTAL	15	10	13	10	10	10	10	10	15	10	10
AVERAGE	3	2	2.6	2	2	2	2	2	3	2	2

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER - V
CORE – X: BANKING LAW AND PRACTICE

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100

Learning Objectives	
LO1	To help the students understand various provision of Banking Regulation Act 1949 applicable to banking companies including cooperative banks
LO2	To trace the evolution of central bank concept and prevalent central banking system around the world and their roles and function
LO3	To throw light on Central Bank in India, its formation, nationalizing its organization structure, role of bank to government, role in promoting agriculture and industry, role in financial inclusion
LO4	To understand how capital fund of commercial banks, objectives and process of Asset securitization etc.
LO5	To explore practical banking systems relationship of bankers and customers, crossing of cheques, endorsement etc.
Course Outcomes	
CO1	Aware of vvarious provision of Banking Regulation Act 1949 applicable to banking companies including cooperative banks
CO2	Analyse the evolution of Central Banking concept and prevalent Central Banking system in India and their roles and function
CO3	Gain knowledge about the Central Bank in India, its formation, nationalizing its organization structure, role of bank to government, role in promoting agriculture and industry, role in financial inclusion

CO4	Evaluate the role of capital fund of commercial banks, objectives and process of Asset securitization etc
CO5	Define the practical banking systems relationship of bankers and customers, crossing of cheques, endorsement etc.

MAPPING WITH PROGRAMME OUTCOMES

AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PSO 1**	**PSO 2**	**PSO 3**
CO1	3	2	3	2	3	2	2	2	3	3	2
CO2	3	2	2	2	3	2	2	2	3	3	2
CO3	3	2	3	2	3	2	2	2	3	3	2
CO4	3	2	2	2	3	2	2	2	3	3	2
CO5	3	2	3	2	3	2	2	2	3	3	2
TOTAL	15	10	13	10	15	10	10	10	15	15	10
AVERAGE	3	2	2.6	2	3	2	2	2	3	3	2

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER - V

CORE – XI: INCOME TAX LAW AND PRACTICE- I

Subject Code	**L**	**T**	**P**	**S**	**Credits**	**Inst. Hours**	**Marks**		
							CIA	**External**	**Total**
	5				**4**	**5**	**25**	**75**	**100**

Learning Objectives	
LO1	To understand the basic concepts & definitions under the Income Tax Act,1961.
LO2	To compute the residential status of an assessee and the incidence of tax.
LO3	To compute income under the head salaries.
LO4	To learn the concepts of Annual value, associated deductions and the calculation of income from House property.
LO5	To compute the income from Business & Profession considering its basic principles & specific disallowances.
Prerequisite: Should have studied Commerce in XII Std	
Course Outcomes	
CO1	Demonstrate the understanding of the basic concepts and definitions under the Income Tax Act.
CO2	Assess the residential status of an assessee& the incidence of tax.
CO3	Compute income of an individual under the head salaries.
CO4	Ability to compute income from house property.
CO5	Evaluate income from a business carried on or from the practice of a Profession.

MAPPING WITH PROGRAMME OUTCOMES
AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	3	2	2	2	3	3	2
CO2	3	2	2	2	2	2	2	2	3	2	2
CO3	3	3	3	2	3	2	2	2	3	3	2
CO4	3	2	2	2	2	2	2	2	3	3	2
CO5	3	3	3	2	3	2	2	2	3	2	2
TOTAL	15	12	13	10	13	10	10	10	15	13	10
AVERAGE	3	2.2	2.6	2	2.6	2	2	2	3	2.6	2

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER – V

CORE –XII : AUDITING & CORPORATE GOVERNANCE

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				4	5	25	75	100
Learning Objectives									
LO1	To enable students to understand process of auditing and its classification.								
LO2	Toimpart knowledge on internal check and internal control.								
LO3	To illustrate the role of auditors in company.								
LO4	To help students understand the framework, theories and models of Corporate Governance.								
LO5	To provide insights into the concept of Corporate Social Responsibility								
Course Outcomes									
CO1	Define auditing and its process.								
CO2	Compare and contrast essence of internal check and internal control.								
CO3	Identify the role of auditors in companies.								
CO4	Define the concept of Corporate Governance.								
CO5	Appraise the implications of Corporate Social Responsibility								

MAPPING WITH PROGRAMME OUTCOMES
AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	3	2	3	3	3	3	2
CO2	3	2	2	2	2	2	2	2	3	2	2
CO3	3	3	3	2	3	2	3	3	3	3	2
CO4	3	2	2	2	2	2	2	2	3	3	2
CO5	3	3	3	2	3	2	3	3	3	2	2
TOTAL	15	12	13	10	13	10	13	13	15	13	10
AVERAGE	3	2.2	2.6	2	2.6	2	2.6	2.6	3	2.6	2

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER – V

DISCIPLINE SPECIFIC ELECTIVE – 1 / 2 : FINANCIAL MANAGEMENT

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	4				**3**	**4**	**25**	**75**	**100**

Learning Objectives	
LO1	To introduce the concept of financial management.
LO2	To learn the capital structure theories.
LO3	To gain knowledge about techniques in capital budgeting
LO4	To learn about dividend payment models.
LO5	To understand the needs and calculation of working capital in an organization.

Course Outcomes	
CO1	Recall the concepts in financial management.
CO2	Apply the various capital structure theories.
CO3	Apply capital budgeting techniques to evaluate investment proposals.
CO4	Determine dividend pay-outs.
CO5	Estimate the working capital of an organization.

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	3	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	3	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	2
TOTAL	15	12	13	10	15	10	13	13	15	10	11
AVERAGE	3	2.2	2.6	2	3	2	2.6	2.6	3	2	2.1

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER - V

DISCIPLINE SPECIFIC ELECTIVE – 2 /2 : INDIRECT TAXATION

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	4				**3**	**4**	**25**	**75**	**100**
Learning Objectives									
LO1	To get introduced to indirect taxes								
LO2	To have an overview of Indirect taxes								
LO3	To be familiar the CGST and IGST Act								
LO4	To learn procedures under GST								
LO5	To gain knowledge about Customs Duty.								
Course Outcomes									
CO1	Acquaintance with Indirect tax laws								
CO2	Exposed to the overview of GST.								
CO3	Apply provisions of CGST and IGST								
CO4	Summarise procedures of GST								
CO5	Discuss aspects of Customs Duty in India								

MAPPING WITH PROGRAMME OUTCOMES
AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	2	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	3
TOTAL	15	12	13	10	13	10	13	13	15	10	12
AVERAGE	3	2.2	2.6	2	2.6	2	2.6	2.6	3	2	2.4

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER - V

DISCIPLINE SPECIFIC ELECTIVE – 3 /4 :SOFTWARE ENGINEERING AND UML LAB

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	2		**2**		**3**	**4**	**25**	**75**	**100**
Learning Objectives									
LO1	To introduce the software development life cycles								
LO2	To introduce concepts related to structured and objected oriented analysis & design co								
LO3	To provide an insight into UML and software testing techniques								
Course Outcomes									
CO1	The students should be able to specify software requirements, design the software using tools								
CO2	To write test cases using different testing techniques.								

Learning Objectives: (for teachers: what they have to do in the class/lab/field)

- To get familiarized to the usage of UML tool kit.
- To understand the requirements of the software and to map them appropriately to subsequent phases of the software development
- To develop the ability to verify and validate their designs

Course Outcomes: (for students: To know what they are going to learn) CO1: Students must be able to analyse and design the problem at hand. CO2: Students should be able to use UML tools for the designing the software and test thecorrectness and soundness of their software through testing tools.

THIRD YEAR – SEMESTER – V

DISCIPLINE SPECIFIC ELECTIVE – 4 /4 :OBJECT ORIENTED ANALYSIS AND DESIGN AND UML LAB

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	2		2		3	4	25	75	100
Learning Objectives									
LO1	To make aware of the software requirements, design the software using tools								
LO2	To be acquainted with the writing of test cases using different testing techniques.								
Course Outcomes									
CO1	The students should be able to specify software requirements, design the software using tools								
CO2	To write test cases using different testing techniques.								

UML Lab **Common for both Electives in semester V**	**Core - Core -S5EC1/2L**
Credits 4	**Lecture Hours:5 per week**
Learning Objectives: (for teachers: what they have to do in the class/lab/field) • To get familiarized to the usage of UML tool kit. • To understand the requirements of the software and to map them appropriately to subsequent phases of the software development • To develop the ability to verify and validate their designs	
Course Outcomes: (for students: To know what they are going to learn) CO1: Students must be able to analyse and design the problem at hand. CO2: Students should be able to use UML tools for the designing the software and test thecorrectness and soundness of their software through testing tools.	

THIRD YEAR – SEMESTER - VI

CORE –XIII: COST ACCOUNTING - II

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	6				4	6	25	75	100

Learning Objectives	
LO1	To understand the standards in Cost Accounting
LO2	To know the concepts of contract costing.
LO3	To be familiar with the concept of process costing.
LO4	To learn about operation costing.
LO5	To gain insights into standard costing.
Course Outcomes	
CO1	Remember and recall standards in cost accounting
CO2	Apply the knowledge in contract costing
CO3	Analyze and assimilate concepts in process costing
CO4	Understand various bases of classification cost and prepare operating cost statement.
CO5	Set up standards and analyse variances.

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	3	3	2	3	3	3	3	3	2	2
CO2	3	3	3	2	2	3	2	2	3	2	3
CO3	3	3	3	2	3	3	3	3	3	2	2
CO4	3	3	3	2	2	3	2	2	3	2	2
CO5	3	3	3	2	3	3	3	3	3	2	3
TOTAL	15	15	15	10	13	15	13	13	15	10	12
AVERAGE	3	3	3	2	2.6	3	2.6	2.6	3	2	2.4

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER – VI

CORE – XIV: MANAGEMENT ACCOUNTING

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	6				4	6	25	75	100
Learning Objectives									
LO1	To understand basics management accounting								
LO2	To know the aspects of Financial Statement Analysis								
LO3	To familiarize with fund flow and cash flow analysis								
LO4	To learn about budgetary control								
LO5	To gain insights into marginal costing.								
Course Outcomes									
CO1	Remember and recall basics in management accounting								
CO2	Apply the knowledge of preparation of Financial Statements								
CO3	Analyse the concepts relating to fund flow and cash flow								
CO4	Evaluate techniques of budgetary control								
CO5	Formulate criteria for decision making using principles of marginal costing.								

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	3	2	2	2	3	2	3
CO3	3	2	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	3	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	3
TOTAL	15	11	13	10	15	10	13	13	15	10	12
AVERAGE	3	2.1	2.6	2	2	2	2.6	2.6	3	2	2.4

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER - VI

CORE – XV: INCOME TAX LAW AND PRACTICE - II

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	6				4	6	25	75	100

Learning Objectives	
LO1	To understand provisions relating to capital gains
LO2	To know the provisions for computation of income from other sources.
LO3	To familiarize law relating to set off and carry forward of losses and deductions from Gross Total Income.
LO4	To learn about assessment of individuals
LO5	To gain knowledge about assessment procedures.
Course Outcomes	
CO1	Remember and recall provisions on capital gains
CO2	Apply the knowledge about income from other sources
CO3	Analyse the set off and carry forward of losses provisions
CO4	Learn about assessment of individuals
CO5	Apply procedures learnt about assessment procedures.

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	2	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	3
TOTAL	15	12	13	10	13	10	13	13	15	10	12
AVERAGE	3	2.2	2.6	2	2.6	2	2.6	2.6	3	2	2.2

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER – VI

DISCIPLINE SPECIFIC ELECTIVE 5/6 ENTREPRENEURIAL DEVELOPMENT

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				3	5	25	75	100

Learning Objectives	
LO1	To know the meaning and characteristics of entrepreneurship
LO2	To identify the various business opportunities
LO3	To understand the Process of setting up an enterprise
LO4	To gain knowledge in the aspects of legal Compliance of setting up of an enterprise
LO5	To develop an understanding of the role of MSME in economic growth
Course Outcomes	
CO1	Identify the various traits of an entrepreneur
CO2	Turn ideas into business opportunities
CO3	Do feasibility study before starting a project
CO4	Identify the sources of funds for funding a project
CO5	Develop an understanding about the Government schemes available for women entrepreneurs

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	2	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	3
TOTAL	15	12	13	10	13	10	13	13	15	10	12
AVERAGE	3	2.2	2.6	2	2.6	2	2.6	2.6	3	2	2.4

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER – VI

DISCIPLINE SPECIFIC ELECTIVE – 6 /6: HUMAN RESOURCE MANAGEMENT

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	5				3	5	25	75	100
Learning Objectives									
C1	To explore to the aspects relating of Human resource management								
C2	Toequip with the various processes of Recruitment and Selection								
C3	To be acquainted with Training methods and the concept of Performance Appraisal								
C4	To learn about Industrial Relations								
C5	To assimilate knowledge on employee welfare.								
Course Outcomes									
CO1	Examine the role of HRM in the new ageorganisation and plan man power requirements andimplement techniques of job design.								
CO2	Formulate action plans for employee Recruitment and Selection.								
CO3	Choose appropriate methods of Trainning								
CO4	Estimate, defend and handle legal compliance in HRM involving trade union disputes and employee retention.								
CO5	Formulate strategies for employee welfare.								

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	2	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	3
TOTAL	15	12	13	10	13	10	13	13	15	10	12
AVERAGE	3	2.2	2.6	2	2.6	2	2.6	2.6	3	2	2.2

3 – Strong, 2- Medium, 1- Low

THIRD YEAR – SEMESTER - VI

DISCIPLINE SPECIFIC ELECTIVE – 7 / 8: R LANGUAGE

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
		2	3		3	5	25	75	100

Learning Objectives	
LO1	Acquire programming skills in core R Programming
LO2	Acquire Object-oriented programming skills in R Programming.
LO3	Develop the skill of designing graphical-user interfaces (GUI) in R Programming
LO4	Acquire R Programming skills to move into specific branches

Course Outcomes	
CO1	To understand the problem solving approaches
CO2	To learn the basic programming constructs in R Programming
CO3	To practice various computing strategies for R Programming -based solutions toreal world problems
CO4	To use R Programming data structures - lists, tuples, dictionaries.
CO5	To do input/output with files in R Programming

THIRD YEAR – SEMESTER - VI

DISCIPLINE SPECIFIC ELECTIVE – 8 / 8: PRACTICAL TALLY

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
		2	3		3	5	25	75	100

Learning Objectives	
LO1	Examination of general accounting applications as they apply to computerized financial records for eachstep of the accounting cycle to the completion of financial statements, as well as managementaccounting applications.

Course Outcomes	
CO1	input journal entries, adjust entries and prepare financial statements for cashand accrual-based businesses
CO2	record vendor, customer, and inventory transactions essential for maintainingaccounts payable,accounts receivable, and inventory subsidiary ledgers

THIRD YEAR – SEMESTER - VI

PROFESSIONAL COMPETENCY SKILL

GENERAL AWARENESS FOR COMPETITIVE EXAMINATION

Subject Code	L	T	P	S	Credits	Inst. Hours	Marks		
							CIA	External	Total
	2				2	2	25	75	100

Learning Objectives	
LO1	To create the opportunity for learning across different disciplines and builds experience for students as they grow into lifelong learners.
LO2	To build experiences for students as they grow into lifelong learners.
LO3	To know the basic concepts of various discipline
Course Outcomes	
CO1	Develop board knowledge of the different components in polity
CO2	Understand the Geographical features across countries and in India
CO3	Acquire knowledge on the aspects of Indian Economy
CO4	Understand the significance of India‟s Freedom Struggle
CO5	Gain knowledge on Ecology and Environment