

(An Autonomous Institution Re-accredited with 'A' grade by NAAC)

# **B.Com. COMPUTER APPLICATIONS - SYLLABUS**

(Under CBCS based on OBE)

(For the students admitted from the academic year 2024 – 2025 onwards)

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#### PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The B. Com. (CA) Graduates of the Sourashtra College will:

PEO 1	gain a thorough knowledge in the fundamentals of Commerce, Finance and Computers
PEO 2	exercise Professional skills, values, team spirit, and high leadership and to accept the challenges in the Industry and Academics.
PEO 3	excel in contemporary knowledge of business & Information Technology and developing inclination towards lifelong learning.
PEO 4	demonstrate knowledge in setting up a computerized programming and set of accounting books.
PEO 5	acquire knowledge and aptitude skills to face the competitive exams.
PEO 6	analyze and interpret financial transactions, software development skill and events

#### UNDERGRADUATE (UG) PROGRAMME OUTCOMES (POs)

Undergraduate (B.A., B.Sc., **B.Com(CA)**., B.C.A., B.B.A., etc.,) is a 3 – year degree Programme with 6 semesters consisting the following Programme Outcomes (POs) under various criteria including critical thinking, problem solving, effective communication, societal/ citizenship/ ethical credibility, sustainable growth and employable abilities.

PO 1	<b>Critical Thinking</b> : Intellectual exploration of knowledge towards actions in clear and rational manner by understanding the logical connections between ideas and decisions.
PO 2	<b>Problem Solving</b> : Understanding the task/ problem followed by planning and narrow execution strategy that effectively provides the solution.
PO 3	<b>Effective Communication</b> : Knowledge dissemination by oral and verbal mechanisms to the various components of our society.
PO 4	<b>Societal/ Citizenship/ Ethical Credibility</b> : Realization of various value systems/ moral dimensions and demonstrate the empathetic social concern as well as equity in all the decisions, executions and actions.
PO 5	<b>Environmental Concern and Sustainable Growth</b> : Understanding the emerging environmental challenges and provide the possible contribution in sustainable development that integrates environment, economy and employment.
PO 6	<b>Skill Development and Employable Abilities</b> : Adequate training in relevant skill sector and creating employable abilities among the under graduates.



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#### PROGRAMME SPECIFIC OUTCOMES(PSOs)

On completion of **B. Com with Computer Applications Programme**, the students are expected /will be able to

PSO 1	be eligible for higher studies such as M.Com(CA), M. Com, MCA, MBA, ACS, CMA and CA
PSO 2	be employable in educational institutions and Banking and IT sectors.
PSO 3	apply the concepts and techniques in commerce and computers
PSO 4	be proficient in entrepreneurship.
PSO 5	embark on new venture and initiatives with critical thinking and desire for more continuous learning focusing of life skills.
PSO 6	make use of knowledge, skill and attitude in their career opportunities.



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# B.Com. CA – II YEAR COURSE STRUCTURE – III SEMESTER

S. No.	Course Code	Part	Course Title	Hrs. / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
	24UACT31		Tamil – பொதுத்தமிழ்– III						
	24UACH31		<b>Hindi</b> – General Hindi – III						
1	24UACS31	I	Sanskrit – Drama Grammar and History of Sanskrit Literature	6	3	25	75	100	3
2	24UACE31	II	English – General English – III	6	3	25	75	100	3
3	24UCCC31		Core – 5: Business Statistics*	5	3	25	75	100	5
4	24UCCC32	***	Core – 6: Financial Accounting – III*	5	3	25	75	100	5
5	24UCCA31	III	Elective/Allied – 3: Data Base Management System	4	3	25	75	100	3
6	24UCCAP3		LAB: DBMS	2	3	40	60	100	1
7	24UCCN31/ 24UCCN32	IV	SEC: NME – 1: Salesmanship / Business Organization – I*	2	3	25	75	100	2
	_		TOTAL	30		_		700	22

#### IV - SEMESTER

S. No.	Course Code	Part	Course Title	Hrs. / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
	24UACT41		Tamil – பொதுத்தமிழ்– IV						
4	24UACH41		<b>Hindi</b> – General Hindi – IV		3	25	7.5	100	2
1	24UACS41	S41 Sanskrit – Alankara, Didactic & Modern Literature and Translation	6	3	23	75	100	3	
2	24UACE41	II	English – General English – IV	6	3	25	75	100	3
3	24UCCC41		Core – 7: Business Mathematics*	5	3	25	75	100	5
4	24UCCC42	III	Core – 8: Financial Accounting – IV*	5	3	25	75	100	5
5	24UCCA41		Elective/Allied – 4: Python	4	3	25	75	100	3
6	24UCCAP4		Lab: Python	2	3	40	60	100	1
7	24UCCN41 / 24UCCN42	IV	SEC: NME – 2: Advertising / Business Organization – II*	2	3	25	75	100	2
8		V	Extension Activities	_	_	_	_	100	1
			TOTAL	30				800	23

<sup>\*</sup>Common to B.Com and B.Com (CA)



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#### **COURSE STRUCTURE - III SEMESTER**

S. No.	Course Code	Part	Course Title	Hrs. / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
	24UACT31		Tamil – பொதுத் தமிழ் – III						
1	24UACH31	I		6	3	25	75	100	3
	24UACS31	Sanskrit – Drama Grammar and							
2	24UACE31	II	English – General English – III	6	3	25	75	100	3
3	24UCCC31		Core – 5: Business Statistics*	5	3	25	75	100	5
4	24UCCC32	III	Core – 6: Financial Accounting – III*	5	3	25	75	100	5
5	24UCCA31	111	Elective/Allied – 3: Data Base Management System	4	3	25	75	100	3
6	24UCCAP3		LAB: DBMS	2	3	40	60	100	1
7	24UCCN31/ 24UCCN32	IV	SEC: NME – 1: Salesmanship / Business Organization – I*	2	3	25	75	100	2
			TOTAL	30				700	22

\*Common to B.Com and B.Com (CA)

CA - Class Assessment (Internal)

SE – Summative Examination

SEC - Skill Enhancement Course

NME – Non – Major Elective

T - Theory

P – Practical



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24UCCC31	BUSINESS STATISTICS	CORE – 5	5	_	5

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	III	25	75	100

Curriculum	Employabili	ity	✓	S	kill Oriented	✓	Entrepreneurship			Entrepreneurship		1	/
Design and Development	National	✓	Local	✓	Regional	<b>\</b>	Global		1	/			
Curriculum Enrichment	Professional Ethics		Gender		Environment and Sustainability		Human Values	Othe Valu		<b>✓</b>			

#### **COURSE DESCRIPTION:**

This course is designed to develop the students' ability to deal with statistics, graphical, algebraic techniques numerical and quantitative issues in economics and management.

#### **COURSE OBJECTIVES:**

- To provide basic knowledge about averages
- To impart knowledge about measures of dispersion
- To provide clear knowledge about correlation
- To have better knowledge in regression
- To provide a reasonable knowledge in analysis of time series and index numbers.

#### **COURSE OUTCOMES (COs):**

After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	acquire knowledge about averages to be used in business research	Upto K3
CO 2	gain knowledge about dispersion and skewness measures	Upto K3
CO 3	gain knowledge about the application of correlation	Upto K3
CO 4	understand the techniques used in regression	Upto K3
CO 5	acquire knowledge in measurement of trend, index number and its application in business research	Upto K3



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#### **BUSINESS STATISTICS**

#### UNIT - I: INTRODUCTION AND MEASURES OF CENTRAL TENDENCY

Introduction – Collection and Tabulation of Statistical data – Frequency distribution – Measures of Central Tendency – Mean, Median, Mode, Harmonic Mean and Geometric Mean, Combined Mean.

#### **UNIT – II: MEASURES OF DISPERSION**

Meaning –Range – Quartile Deviation – Mean Deviation – Standard Deviation and their co–efficient. Measures of Skewness – Karl Pearson's and Bowley's Co–efficient of Skewness.

#### **UNIT – III: CORRELATION**

Meaning—Definition — Types — measures of correlation — Karl Pearson's Co–efficient of correlation — Rank correlation and Concurrent Deviation method.

#### **UNIT - IV: REGRESSION**

Meaning – Correlation Vs. Regression – Simple Regression analysis – Regression equation, Fitting of Regression line – Deviation taken from Arithmetic Mean of X and Y – Deviation taken from assumed mean.

#### UNIT - V: ANALYSIS OF TIME SERIES AND INDEX NUMBERS

Introduction – Components of time series – measures of trend – semi average method – moving average method – method of least square. Index numbers – definition – uses – problems in construction of index numbers, simple and weighted index numbers – cost of living index numbers.

#### **TEXT BOOK:**

Dr. Manoharan M – *Statistical Methods*, Palani Paramount Publications, Palani–1.

#### **REFERENCE BOOKS:**

- 1. Pillai.R.S.N & Bagavathi *Statistics*, S. Chand& Company Ltd., New Delhi.
- 2. Gupta S.P. Statistical Methods, Sultan Chand & Sons, New Delhi.

#### Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	2	1	2	3	2
CO2	3	2	2	2	1	3
CO3	3	3	1	3	2	1
CO4	1	2	2	3	2	3
CO5	2	2	3	3	2	2



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CO	OURSE CODE	COURSE TITLE	CATEGORY	T	P	<b>CREDITS</b>
	24UCCC32	FINANCIAL ACCOUNTING – III	CORE – 6	5		5

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	III	25	75	100

Curriculum	Employability		✓	Skill Oriented		✓	Entrepreneurship		1	/
Design and Development	National	✓	Local	✓	Regional	<b>√</b>	Global		١	
Curriculum Enrichment	Professional Ethics		Gender		Environment and Sustainability		Human Values	Othe Valu		✓

#### **COURSE DESCRIPTION:**

This course is designed to make the students understand the basic concepts of partnership accounting, admission, retirement, death of a partner, dissolution of a firm and Insolvency of partners.

#### **COURSE OBJECTIVES:**

#### To help the students

- know the basic concepts of partnership firm.
- understand the revaluation of assets and liabilities in admission of partner.
- learn partnership retirement and death of a partner.
- acquire the knowledge of partnership dissolution accounting and its allied aspect of accounting.
- gain knowledge of partners insolvency and piece—meal distribution.

#### **COURSE OUTCOMES (COs):**

After the completion of the course, the students will be able to:

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	understand the preparation of capital accounts.	Upto K3
CO 2	acquire knowledge in the accounting practice prevailing in admission of a partner	Upto K3
CO 3	gain knowledge in accounting practice prevailing in retirement and death of a partner	Upto K3
CO 4	gain knowledge in accounting practice and dissolution of a firm and sale of a company	Upto K3
CO 5	expand knowledge in accounting practice prevailing in Insolvency of a partner and Piece–meal Distribution	Upto K3



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#### FINANCIAL ACCOUNTING - III

#### UNIT – I:

Partnership Accounts – Partnership – Definition of partners – types – provision relating to partnership accounting – capital and current accounts of partners – Fixed and fluctuating capital method – Appropriation of profits.

#### **UNIT -II:**

Admission of a partner – Calculation of new ratio and sacrificing ratio – revaluation of assets and liabilities – Treatment of goodwill – Capital adjustment.

#### **UNIT –III:**

Retirement of a partner – calculation of new ratio and gaining ratio – revaluation of assets and liabilities – Treatment of goodwill – death of a partner(Excluding Joint Life Policy)

#### UNIT – IV:

Dissolution of a firm – accounting treatment–Sale of firm to a company

#### UNIT - V:

Insolvency of a partner – decision in Garner vs Murray case – insolvency of all partners–Piece–meal distribution – proportionate capital method – maximum loss method.

#### **TEXT BOOK:**

Reddy T S and Murthy. A (2015), *Financial Accounting*, Margham Publications, Chennai–600017.

#### **REFERENCE BOOKS:**

- 1. Jain .S .P & NarangK.L (2014), *Advanced Accountancy*, Kalyani Publishers, New Delhi, Volume I.
- 2. Gupta R.L. and Radhaswamy (2013), *Advanced Accountancy*, S. Chand and Company Ltd., New Delhi.
- 3. Arulanandam and Raman K S (2015), *AdvancedAccountancy*, Himalaya Publishing House, Mumbai.

#### **DIGITAL TOOLS:**

1. <u>www.accaglobal.com</u>. 2.<u>www.vedanta.com</u>. 3.<u>IncometaxIndia.gov.in.</u>

#### Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	3	3	2	2
CO2	3	3	2	3	1	3
CO3	3	3	3	3	2	2
CO4	3	2	2	3	2	3
CO5	3	3	2	3	2	2



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24UCCA31	DATA BASE MANAGEMENT SYSTEM	ELECTIVE/ ALLIED – 3	4	_	3

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	III	25	75	100

Curriculum	Employability		✓	Skill Oriented		✓	Entrepreneurship		١	/	
Design and Development	National	✓	Local	✓	Regional	✓	Glo	bal		٧	/
Curriculum Enrichment	Professional Ethics	<b>✓</b>	Gender	✓	Environment and Sustainability	1	Human Values	✓	Othe Valu		

#### **COURSE DESCRIPTION:**

A database management system (DBMS) is a software tool that enables users to manage a database easily. It allows users to access and interact with the underlying data in the database.

#### **COURSE OBJECTIVES:**

The objectives of this course are to enable the students

- know the importance of Data Base Management.
- understand the Basic concepts of RDBMS.
- understand the knowledge of PL/SQL.

#### **COURSE OUTCOMES (COs):**

After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	recollect the concept and importance of database management	Upto K3
CO 2	examine various methods and techniques for database system.	Upto K3
CO 3	have thorough knowledge about various theories of database.	Upto K3
CO 4	gain knowledge in different types of creating methods.	Upto K3
CO 5	expert knowledge about various types of databases.	UptoK3



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#### DATABASE MANAGEMENT SYSTEM

#### UNIT – I:

Data, Information and Information Processing Definition of Data, information – history of information – quality of information – information processing – integrated management information.

#### <u>UNIT – II:</u>

Introduction to DBMS Introduction – define data base – characteristics of data in a database – database management system – uses of DBMS – Types of database management system: hierarchical model – network model – relational model.

#### UNIT – III:

Entity–Relationship (E–R) modelling and Data Normalization Introduction to E–R modeling – Definition of E–R model – Components of E–R model. Introduction to Normalization –First Normal Form (INF), Second Normal Form(2NF), Third Normal Form(3NF).

#### **UNIT - IV:**

Introduction to RDBMS: RDBMS Terminology –The relational Data Structure – Types of Keys – Tables – Views –Queries and Sub Queries – Aggregate Functions, insert, delete, update.

#### UNIT - V:

Introduction to PL/SQL: PL/SQL Variables – PL/SQL data types – Control Structures – Cursors – PL/SQL Triggers– introduction to web database, mobile database structure.

#### **TEXT BOOK:**

Alexis Leon & Mathews Leon – *Data Base Management Systems* – Leon Vikas Publishing, Chennai, 2002.

#### **REFERENCE BOOKS:**

- 1. *Database Management Systems* Raghu Ramakrishnan / Johannes Gehrke McGraw Hill, Third Edition, 2003.
- **2.** *Modern Database Management* Fred R. Mc Fadden, Jeffey A. Hoffer & Maruy B. Precott 5<sup>th</sup> Edition, Pearson Education Asia, 2001.

#### Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	2	3	3	2	_
CO2	3	2	1	2	3	3
CO3	3	3	3	2	2	2
CO4	3	3	3	2	2	3
CO5	3	3	3	2	1	2



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDIT
		ELECTIVE/			
24UCCAP3	LAB: DBMS	ALLIED	-	2	1
		LAB			

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	III	40	60	100

Curriculum	Employability		✓	Skill Oriented		✓	Entrepreneurship		hip	٧	
Design and Development	National	✓	Local	✓	Regional	<b>✓</b>	Global		٧	/	
Curriculum Enrichment	Professional Ethics	<b>✓</b>	Gender	✓	Environment and Sustainability	<b>✓</b>	Human Values	✓	Othe Valu		

#### **COURSE DESCRIPTION:**

This Course gives knowledge about databases for storing the data and to share the data among different kinds of users for their business operations.

#### **COURSE OBJECTIVES:**

- To make the students understand the concepts of Table creation in SQL.
- To help the students manipulate the data from the table.
- To help the students develop programming using SQL/PL and have better knowledge in regression

#### **COURSE OUTCOMES (COs):**

#### After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	acquire knowledge about averages to be used in create Database	Upto K3
CO 2	gain knowledge about SQL	Upto K3
CO 3	gain knowledge about the Database creation	Upto K3
CO 4	gain knowledge in different types of creating methods.	Upto K3
CO 5	gain knowledge about various types of databases.	UptoK3



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#### **LAB: DBMS**

#### SQL – (Table Creation, Queries and Sub queries) and PL/SQL

- 1. Create an Employee, Programmer, Software and Studies Table.
- 2. Implementation of Queries and Subqueries at least 10 queries. PL/SQL Programs
- 3. To find the Biggest of Three numbers.
- 4. To check Leap year or not.
- 5. To find the Factorial of a given number.
- 6. To find the sum of digits of a given number.
- 7. To Reverse the given string.
- 8. Programs using explicit cursors and implicit cursors.
- 9. Programs using Procedure and Function.
- 10. Programs using database Triggers.

Note: Internal – 40 marks and External – 60 marks.

#### Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	2	1	2	3	2
CO2	3	2	2	2	1	3
CO3	3	3	1	3	2	1
CO4	1	2	2	3	2	3
CO5	2	2	3	3	2	2



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24UCCN31	SALESMANSHIP	SEC NME – 1	2	_	2

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	III	25	75	100

Curriculum Employability		✓ Skill Oriented		<b>✓</b>	Entrepreneurship			✓		
Design and Development	National	✓	Local	✓	Regional	<b>✓</b>	Global		•	<b>✓</b>
Curriculum Enrichment	Professional Ethics		Gender		Environment and Sustainability		Human Values	Otho Valu		<b>✓</b>

#### **COURSE DESCRIPTION:**

This course is designed to impart the knowledge of salesmanship.

#### **COURSE OBJECTIVES:**

#### To make the students

- understand the components of personal selling.
- enriched with the knowledge of Salesmanship.
- gain knowledge of the qualities of a good salesman
- differentiate the various types, duties and responsibilities of salesmanship
- describe the remuneration plans

#### **COURSE OUTCOMES (COs):**

After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	explain the various selling methods	Upto K3
CO 2	understand the characteristics of a successful salesman	Upto K3
CO 3	analyse the qualities of a good salesman	Upto K3
CO 4	differentiate the various types , duties and responsibilities of salesmanship	Upto K3
CO 5	describe the remuneration plans	Upto K3



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#### **SALESMANSHIP**

#### UNIT - I:

Personal selling—definition— objectives of personal selling— components of personal selling— salesmanship— definition— features—objectives— Is salesmanship an art or science?

— Is salesmanship productive—selling methods (tender, selling through discussion, door to door selling and Over the Counter Selling (OTCS).

#### <u>UNIT – II</u>:

Salesmanship: Benefits of salesmanship— advantages of salesmanship to –producers, distributors, consumers, community and salesman–duties of salesman– characteristics of a successful salesman– criticism against salesmanship.

#### <u>UNIT – III</u>:

Qualities of a good salesman-physical, mental, social, character or moral.

#### **UNIT - IV:**

Types of salesmanship and salesmen-order taking salesmanship—creative salesmenship—competitive salesmanship—classification of salesmen: manufacturers salesman, wholesaler(merchant) salesmen, retailers (consumers) salesmen, specialty salesmen, service salesmen—functions, duties and responsibilities of a salesmen.

#### UNIT - V:

Remuneration to salesmen–good remuneration plan–objectives– essentials – methods.

#### **TEXT BOOK:**

Saravanavel . P, Sumathi .S, *Advertising and Salesmanship*, (2014) Margam Publications, Chennai 17.

#### **REFERENCE BOOK:**

Pillai .R.S.N. & Bagavathy, *Modern Marketing*, *Principles and Practices*, Sulthan Chand & sons, New Delhi –110055.

#### **DIGITAL TOOLS:**

- <a href="https://www.yourarticlelibrary.com/salesmanship/salesmanship-definition-importance-duties-and-types/50988">https://www.yourarticlelibrary.com/salesmanship/salesmanship-definition-importance-duties-and-types/50988</a>
- <a href="https://www.artofmarketing.org/personal-selling/personal-selling-meaning-process-objectives-importance-advantages-and-disadvantages/13617">https://www.artofmarketing.org/personal-selling/personal-selling-meaning-process-objectives-importance-advantages-and-disadvantages/13617</a>
- <a href="https://www.yourarticlelibrary.com/salesmanship/5-important-methods-of-remunerating-salesmen-salesmanship/25866">https://www.yourarticlelibrary.com/salesmanship/5-important-methods-of-remunerating-salesmen-salesmanship/25866</a>

**Mapping of CO with PSO** 

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	2	2	3	3	3
CO2	2	2	2	2	2	2
CO3	3	3	2	2	2	3
CO4	3	3	3	2	2	2
CO5	2	2	2	2	2	2



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COURSE CODE	COURSE TITLE	CATEGORY	Т	P	CREDITS
24UCCN32	BUSINESS ORGANIZATION – I	SEC NME – 1	2	١	2

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	III	25	75	100

Curriculum	Employability		✓	Skill Oriented		✓	Entrepreneurship		1	<b>✓</b>
Design and Development	National	✓	Local	<b>\</b>	Regional	<b>\</b>	Global		,	<b>/</b>
Curriculum Enrichment	Professional Ethics		Gender		Environment and Sustainability		Human Values	Othe Valu		<b>✓</b>

#### **COURSE DESCRIPTION:**

This course is designed to enrich the knowledge on general organisation theory, team work/team building, and then focus on applications to specific business contexts.

#### **COURSE OBJECTIVES:**

#### To make the students

- develop basic concepts of organization and objectives.
- acquire the knowledge about qualities of good businessmen.
- gain knowledge of sole proprietorship
- receive basic knowledge of partnership firm
- be enriched with knowledge about Cooperative organization.

#### **COURSE OUTCOMES (COs):**

After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	gain knowledge about business profession and employment	Upto K3
CO 2	be acquainted with qualities of good businessman	Upto K3
CO 3	get in-depth knowledge regarding partnership organization , its merits and demerits	Upto K3
CO 4	develop knowledge about cooperative organization	Upto K3
CO 5	analyseand differentiate cooperative with sole trader and partnership firm	Upto K3



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(Under CBCS based on OBE)

(For the students admitted from the academic year 2024 – 2025 onwards)

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#### **BUSINESS ORGANIZATION – I**

#### UNIT - I:

Business – Introduction – Meaning – Characteristics of Business – Objectives of business – Economic and social – meaning of profession and employment – distinction between business and employment.

#### UNIT – II:

Forms of business organization – Characteristics of an ideal form of Organization – factors for selection of a suitable form of organization – qualities of a good businessman.

#### UNIT - III:

 $Sole\ proprietor ship-Introduction-features-suitability-advantages\ and\ disadvantages.$ 

#### UNIT – IV:

Partnership organization – Introduction – Definition – features – Requisites of an ideal partnership – merits and demerits.

#### UNIT - V:

Operative organization – Introduction – Characteristics – Benefits and Demerits – Distinction between cooperative with sole trader and partnership firm.

#### **TEXT BOOK:**

Balaji C.D & Prasad G (2018), Business Organisation, Margham Publications, Chennai.

#### **DIGITAL TOOLS:**

- <a href="https://www.futurelearn.com">https://www.futurelearn.com</a>
- https://examstime.in

Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	1	2	2	1	1
CO2	2	2	3	3	2	2
CO3	3	2	3	2	1	3
CO4	3	2	2	2	1	2
CO5	3	3	2	2	1	2



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#### **COURSE STRUCTURE - IV SEMESTER**

S. No.	Course Code	Part	Course Title	Hrs. / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
	24UACT41		<b>Tamil</b> – பொதுத் தமிழ் – IV				75		
1	24UACH41	I	<b>Hindi</b> – General Hindi – IV	6	3	25		100	3
	24UACS41	_	Sanskrit – Alankara, Didactic & Modern Literature and Translation		-				
2	24UACE41	II	English – General English – IV	6	3	25	75	100	3
3	24UCCC41		Core – 7: Business Mathematics*	5	3	25	75	100	5
4	24UCCC42	III	Core – 8: Financial Accounting – IV*	5	3	25	75	100	5
5	24UCCA41		Elective/Allied – 4: Python	4	3	25	75	100	3
6	24UCCAP4		Lab: Python	2	3	40	60	100	1
7	24UCCN41 / 24UCCN42	IV	SEC: NME – 2: Advertising / Business Organization – II*	2	3	25	75	100	2
8		V	Extension Activities	_	_	_	_	100	1
			TOTAL	30				800	23

<sup>\*</sup>Common to B.Com and B.Com (CA)

CA - Class Assessment (Internal)

SE – Summative Examination

SEC - Skill Enhancement Course

NME – Non – Major Elective

T - Theory

P – Practical

<sup>\*\*</sup>All students will do internship after IV Semester. The evaluation will be done in the beginning of V Semester and marks will be included in the V Semester mark sheet.



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COURSE CODE	COURSE TITLE	CATEGORY	Т	P	CREDITS
24UCCC41	BUSINESS MATHEMATICS	CORE – 7	5	_	5

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	IV	25	75	100

Curriculum	Employabili	ity	✓	S	kill Oriented	✓	Entrepreneur	ship	١	/
Design and Development	National	✓	Local	✓	Regional	<b>\</b>	Global		•	/
Curriculum Enrichment	Professional Ethics		Gender		Environment and Sustainability		Human Values	Othe Valu		<b>~</b>

#### **COURSE DESCRIPTION:**

This course is designed to familiarize the students with the applications of mathematics in business decision making.

#### **COURSE OBJECTIVES:**

#### To make the students

- get the foundation for mathematics and introduce the basics of theory of sets and its application.
- be acquainted with knowledge of indices and surds.
- apply the principles of commercial arithmetic to solve relevant problems in financial applications.
- understand and work with derivatives as rate of change in mathematical models.
- understand the basic concepts in matrices.

#### **COURSE OUTCOMES (COs):**

#### After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	recognize set theory in applicability, solve and communicate real life problems	Upto K3
CO 2	gain the working knowledge on indices and surds	Upto K3
CO 3	discern effects of imparting the tenets of arithmetic application involved in decision making.	Upto K3
CO 4	differentiate power functions and determine the nature of derivative tests.	Upto K3
CO 5	define and understand the relationship between matrix and determinants and represent real world applications.	Upto K3



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#### **BUSINESS MATHEMATICS**

#### **UNIT – I: THEORY OF SETS**

Definition – types – Venn diagrams – set operations – union – intersection – compliment – difference of two sets – De–Morgan's law – number of elements in a finite set.

#### **UNIT -II: INDICES AND SURDS**

Indices – Definition – positive indices – law of indices – zero and unity index – fractional index – miscellaneous illustrations

Surds – Definition – classification – similar structure – conjugate surds – properties of biquadratic surds – square root of surds – square root of trinomial quadratic surd.

#### **UNIT – III: COMMON ARITHMETIC**

Meaning – interest – simple interest – compound interest – nominal rate and effective rate of interest – Depreciation – annuity – types of annuities – Discount – trade discount – cash discount – present worth – discounting bill of exchange – bankers discount and gain.

#### **UNIT – IV: DIFFERENTIATION**

Derivative of a function of one variable, power function, constant time of function, sum of function, product of function – maxima and minima – definition – criteria for maxima and minima.

#### **UNIT - V: MATRICES AND DETERMINANTS**

Matrices – Definition – types – addition, subtraction, multiplication of matrices – Determinants – minor's and co factors – product of two determinants – adjoint of square matrix – inverse of matrices – rank matrix.

#### **TEXT BOOK:**

Dr. Manoharan. M & Ilango C, *Business Mathematics*, Palani Paramount Publications, Palani.

#### **REFERENCE BOOKS:**

- 1. Sancheti D C & Kapoor .V.K, *Business Mathematics*, Sultan Chand & Sons, New Delhi, 2016.
- 2. Vital .P.R *Business Mathematics*, Margham Publications, Chennai, 2017.

#### **DIGITAL TOOLS:**

- www.math.upenn.edu/~siegrich/notes/logic.pdf
- https://www.handakafunda.com
- <a href="http://www.bu.edu">http://www.bu.edu</a>

#### Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	2	2	3	2	1
CO2	2	2	2	3	2	2
CO3	3	3	3	2	3	1
CO4	2	2	3	3	2	2
CO5	2	3	3	2	2	3



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24UCCC42	FINANCIAL ACCOUNTING – IV	CORE – 8	5	_	5

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	IV	25	75	100

Curriculum	Employabili	ity	✓	S	kill Oriented	<b>✓</b>	Entrepreneur	ship	1	/
Design and Development	National	✓	Local	✓	Regional	<b>✓</b>	Global		•	/
Curriculum Enrichment	Professional Ethics		Gender		Environment and Sustainability		Human Values	Othe Valu		<b>✓</b>

#### **COURSE DESCRIPTION:**

This course is designed to understand the concepts of fire insurance claim, hire purchase, installment purchase system, branch accounting, departmental accounting and royalty accounts.

#### **COURSE OBJECTIVES:**

#### To make the students

- understand the concept of fire Insurance claims.
- acquire working knowledge of hire purchase and installment purchase system
- understand the concept of branch accounting and working knowledge of various types of branch.
- gain knowledge on preparation of departmental accounts.
- acquire knowledge in accounting for royalty

#### **COURSE OUTCOMES (COs):**

#### After completion of the course, the students will be able to:

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	understand the preparation of fire insurance claim	Upto K3
CO 2	prepare hire purchase and installment purchase system	Upto K3
CO 3	acquire knowledge of preparation of branch accounts	Upto K3
CO 4	gain knowledge about accounting practice prevailing in departmental accounting	Upto K3
CO 5	understand the preparation of royalty accounts	Upto K3



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#### FINANCIAL ACCOUNTING – IV

#### UNIT - I:

Fire Insurance claims –need–types of fire insurance policies–loss of stock claim–loss of profit claim–computation of claims–Average clause.

#### UNIT – II:

Hire purchase accounting—features—accounting treatment—calculation of interest—cash price—default and repossession—hire purchase trading account—debtors method only — Installment purchase system—Hire purchase Vsinstallment purchase system—accounting treatment in the books of buyers & vendors.

#### **UNIT – III:**

Branch accounting-objectives-types of branch-accounting treatment in respect of dependent branches-debtors system-goods invoiced at cost- goods invoiced at selling price-stock and debtors system- wholesale branch system-independent branch(Excluding foreign branch).

Departmental accounting-need-advantages-distinction between departmental and branches-methods of departmental accounting-apportionment of expenses-inter-departmental transfer-at cost price-at selling price-stock reserve.

#### UNIT – IV:

Royalty accounts—meaning of terms— minimum rent, short working and recoupment of short working—accounting treatment in the books of lessor and lessee(Excluding sub lease).

#### UNIT - V:

Insolvency accounts – Individuals and Firms – Distinction between Balance sheet and Statement of Affairs – Preparation of Statement of Affairs and Deficiency Accounts.

#### **TEXT BOOK:**

Reddy T.S and Murthy A(2015), *Financial Accounting*, Margham Publications, Chennai–600 014.

#### **REFERENCE BOOKS:**

- 1. Jain S.P & Narang K.L(2014), *Advanced Accountancy*, Kalyani Publishers, New Delhi, Volume–I.
- 2. Gupta R.L and Radhaswamy (2013), *Advanced Accountancy*, S.Chand and Company Ltd. New Delhi.
- 3. Arulanandam M.A and Raman K.S (2015), *Advanced Accountancy*, Himalaya Publishing House, Mumbai.

#### **DIGITAL TOOLS:**

1. www.icai.org

2. www.dynamicturotialsandservices.org

3. www.gurujionlinestudy.com

**Mapping of CO with PSO** 

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	3	3	3	3
CO2	3	2	3	3	2	2
CO3	3	2	2	3	2	2
CO4	3	3	3	3	2	3
CO5	3	2	2	2	1	2



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(Under CBCS based on OBE)

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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24UCCA41	PYTHON	ELECTIVE/	4		2
240CCA41	PYTHON	ALLIED – 4	4	_	3

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	IV	25	75	100

Curriculum	r		✓ Skill Oriented		✓	Entrepreneurship					
Design and Development	National	✓	Local	✓	Regional	✓	Glo	bal		٧	
Curriculum Enrichment	Professional Ethics	✓	Gender	✓	Environment and Sustainability	✓	Human Values	✓	Othe Valu		

#### **COURSE DESCRIPTION:**

Python is a high-level, general-purpose programming language known for its readability and versatility. It's widely used in various domains like web development, data science, and machine learning.

#### **COURSE OBJECTIVES:**

To make the students

- use Python to read and write files
- make their code robust by handling errors and exceptions properly
- work with the Python standard library
- explore Python's object—oriented features
- search text using regular expressions

#### **COURSE OUTCOMES (COs):**

After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	write programs for solving problems. into functions	Upto K3
CO 2	decompose a Python program	Upto K3
CO 3	represent compound data using Python lists, tuples, dictionaries.	Upto K3
CO 4	read and write data from/to files in Python Programs	Upto K3
CO 5	read, write, execute by hand simple Python programs.	Upto K3



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#### **PYTHON**

#### UNIT - I: INTRODUCTION DATA, EXPRESSIONS AND STATEMENTS

Introduction to Python and installation, data types: Int, float, Boolean, string, and list; variables, expressions, statements, precedence of operators, comments; modules, functions – function and its use, flow of execution, parameters and arguments.

#### UNIT - II: CONTROL FLOW, LOOPS

Conditionals: Boolean values and operators, conditional (if), alternative (if–else), chained conditional (if–elif–else); Iteration: while, for, break, continue.

#### **UNIT - III: FUNCTIONS, ARRAYS**

Fruitful functions: return values, parameters, local and global scope, function composition, recursion; Strings: string slices, immutability, string functions and methods, string module; Python arrays, Access the Elements of an Array, array methods.

#### UNIT - IV: LISTS, TUPLES, DICTIONARIES

Lists: list operations, list slices, list methods, list loop, mutability, aliasing, cloning lists, list parameters, list comprehension; Tuples: tuple assignment, tuple as return value, tuple comprehension; Dictionaries: operations and methods, comprehension;

#### UNIT - V: FILES, EXCEPTIONS, MODULES, PACKAGES

Files and exception: text files, reading and writing files, command line arguments, errors and exceptions, handling exceptions, modules (date time, time, OS, calendar, math module), Explore packages.

#### **TEXT BOOKS:**

- 1. Allen B. Downey, *Think Python: How to Think Like a Computer Scientist*, 2nd edition, Updated for Python 3, Shroff/O'Reilly Publishers, 2016.
- 2. R. Nageswara Rao, *Core Python Programming*, dreamtech
- 3. Python Programming: A Modern Approach, Vamsi Kurama, Pearson

#### **REFERENCE BOOKS:**

- 1. Core Python Programming, W.Chun, Pearson.
- 2. *Introduction to Python*, Kenneth A. Lambert, Cengage
- 3. *Learning Python*, Mark Lutz, Orielly

#### **DIGITAL TOOLS:**

- Python for Everybody: Exploring Data in Python3
- Think Python: How to Think like a Computer Scientist

Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	2	2	3	2	3
CO2	2	2	2	3	2	2
CO3	3	3	3	2	3	3
CO4	2	2	3	3	2	3
CO5	2	3	3	2	2	3



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDIT
24UCCAP4	LAR: PYTHON	ELECTIVE/ALLIED		2	1
24UCCAP4	LAD: PIITON	LAB	_	2	1

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	IV	40	60	100

Curriculum	Employability			S	Skill Oriented		Entrepreneurship		ship		
Design and Development	National	✓	Local	✓	Regional	<b>✓</b>	Glol	bal		١	
Curriculum Enrichment	Professional Ethics	<b>✓</b>	Gender	<b>✓</b>	Environment and Sustainability	<b>✓</b>	Human Values	✓	Othe Valu		

### **COURSE DESCRIPTION:**

A Python lab is a practical learning environment where students engage in hands – on programming exercises, experiments, and projects using the Python programming language.

#### **COURSE OBJECTIVES:**

#### To make the students

- decompose a Python program
- represent compound data using Python lists, tuples, and dictionaries.
- read and write data from/to files in Python Programs
- read, write, execute by hand simple Python programs.

#### **COURSE OUTCOMES (COs):**

#### After the completion of the course, the students will be able to:

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	know the concept of PYTHON	Upto K3
CO 2	gain knowledge of preparation of Application creation.	Upto K3
CO 3	acquire knowledge of tools in python	Upto K3
CO 4	understand the concept	Upto K3
CO 5	acquire knowledge to fill up the creation of designing works in code.	Upto K3



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#### **LAB: PYTHON**

#### LAB PROGRAMS:

- 1. TO CALCULATE SIMPLE INTEREST
- 2. TO FIND GIVEN NUMBER POSITIVE or NEGATIVE
- 3. TO FIND BIGGEST and SMALLEST NUMBER
- 4. TO FIND FIBONACCI SERIES USING WHILE
- 5. TO CHECK GIVEN NUMBER IS ARMSTRONG OR NOT
- 6. TO PRINT EMPLOYEE, PAY SLIP USING STRING, FLOAT
- 7. PROGRAM FOR SIMPLE CALCULATOR (ARITHMETIC OPERATOR) USING WHILE STATEMENT
- 8. TO PRINT STUDENT MARK STATEMENT WITH RESULT AND GRADE
- 9. TO PRINT CALENDER MONTHLY PROGRAM
- 10. TO FIND FACTORIAL USING RECURSIVE FUNCTION
- 11. TO PRINT MULTIPLICATION TABLE
- 12. ARRAY FUNCTION- (ASCENDING, DESCENDING, BIGGEST, SMALLEST, and LENGTH
- 13. STRING FUNCTION (LENGTH, REVERSE AND PALINDROME)
- 14. LIST PROGRAM- (CREATE, APPEND AND REMOVE)
- 15. PROGRAM DEMONSTRATE WORKING WITH DICTIONARIES
- 16. TUPLE OPERATION (LENGTH, CONCATENATION, SLICING, DELETE, AND MIN&MAX VALUE)

Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	3	2	2	2	3
CO2	1	2	1	1	2	2
CO3	2	2	2	2	1	2
CO4	2	3	2	2	2	3
CO5	3	2	2	2	1	2



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COURSE CODE	COURSE TITLE	SEC		CREDITS	
24UCCN41	ADVERTISING		2	_	2
21886141	112 / EITHORIO	NME – 1	_		_

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	IV	25	75	100

Curriculum	Employability		✓ Skill Oriented		✓	Entrepreneur	١	/		
Design and Development	National	✓	Local	✓	Regional	✓	Global		<b>✓</b>	
Curriculum Enrichment	Professional Ethics		Gender		Environment and Sustainability		Human Values	Othe Valu		<b>✓</b>

#### **COURSE DESCRIPTION:**

This course is designed to impart the knowledge of advertising.

#### **COURSE OBJECTIVES:**

#### To make the students

- understand the Components of advertising.
- develop the knowledge of advertising
- analyse the advantages to manufacturers, wholesalers and retailers
- identify the various kinds of advertising
- describe the merits and demerits of advertisement media

#### **COURSE OUTCOMES (COs):**

After the completion of the course, the students will be able to

No.	Course Outcome	Knowledge Level (According to Bloom's Taxonomy)
CO 1	explain the various concepts of publicity, salesmanship and promotion	Upto K3
CO 2	understand the functions of advertising	Upto K3
CO 3	analyse the advantages to manufacturers, wholesalers and retailers	Upto K3
CO 4	identify the various kinds of advertising	Upto K3
CO 5	describe the merits and demerits of advertisement media	Upto K3



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#### **ADVERTISING**

#### UNIT - I:

Introduction – Evolution – Definition – Basic features – meaning of advertising–objectives of advertising– advertising and advertisement–advertising and publicity – advertising and salesmanship – advertising and promotion.

#### UNIT – II:

Functions of advertising—commercial functions—economic functions—psychological functions—social functions— primary and secondary functions of advertising—specific reasons for advertising.

#### <u>UNIT – III:</u>

Benefits of advertising—advantages—to manufacturers—to wholesalers—to retailers—to salesmen—to consumers and to the community.

#### **UNIT - IV:**

Criticism of advertising—Is advertising an economic waste?—kinds of advertising—product, institutional, commercial, non-commercial, relational and emotional, national and local advertising; Advertisement copy—qualities of a good advertisement copy.

#### UNIT - V:

Advertising Media – Indoor-Outdoor advertising Merits and demerits.

#### **TEXT BOOK:**

*Advertising and Salesmanship* – P. Saravanavel, S. Sumathi ,Margam Publication, Chennai – 17.

#### **REFERENCE BOOK:**

*Modern Marketing, Principles and Practices* – R.S.N.Pillai, Bagavathy, Sulthan Chand &sons, New Delhi –110055.

#### **DIGITAL TOOLS:**

- <a href="https://www.oberlo.in/ecommerce-wiki/advertising">https://www.oberlo.in/ecommerce-wiki/advertising</a>
- <a href="https://mymbaguide.com/criticism-advertising-evaluation-a

Mapping of CO with PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	2	2	3	3	3
CO2	2	2	2	2	2	2
CO3	3	3	2	2	2	3
CO4	3	3	3	2	2	2
CO5	2	2	2	2	2	2



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COURSE COURSE TITLE		CATEGORY	Т	P	CREDITS
24UCCN42	BUSINESS ORGANIZATION – II	SEC NME – 1	2	ı	2

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
II	IV	25	75	100

Curriculum	Employabili	ity	✓	Skill Oriented		✓	Entrepreneurship		1	/
Design and Development	National	✓	Local	✓ Regional ✓		✓	Global	obal		/
Curriculum Enrichment	Professional Ethics		Gender		Environment and Sustainability		Human Values	Othe Valu		<b>~</b>

#### **COURSE DESCRIPTION:**

This course is designed to develop the skills, knowledge to lead, manage organizations and achieve strategic organizational objectives.

#### **COURSE OBJECTIVES:**

To make the students

- gain knowledge of business organization
- understand and critically evaluate the information about various types of companies
- acquire knowledge of diversity within an organization
- gain knowledge of organisational communications and decision–making
- know the roles, skills and functions of companies

#### **COURSE OUTCOMES (COs):**

After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	acquire basic knowledge of business organization	Upto K3
CO 2	read, understand and critically evaluate the information about various types of companies	Upto K3
CO 3	describe the processes underlying diversity within an organization.	Upto K3
CO 4	cognise organisational communications and decision—making	Upto K3
CO 5	demonstrate the roles, skills and functions of companies	Upto K3



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#### **BUSINESS ORGANIZATION –II**

#### UNIT - I:

Joint stock company – introduction – definition – features – advantages and Disadvantages – types of companies – Chartered, Statutory, Government, Private and Public companies – distinction between Private and Public company.

#### **UNIT – II:**

Banking business – origin of banking – Banker – Deposits – meaning of fixed, current, recurring and savings. Meaning of the terms – Promissory note, Bill of exchange, Cheque, Crossing and endorsement.

#### <u>UNIT – III:</u>

Public enterprises – meaning – features and objectives – benefits of public Enterprises – Case against public enterprises.

#### **UNIT - IV:**

Public utilities – Introduction – features – problems of public utilities – Methods of administration – Ministerial control – Municipal control – Public corporation Management.

#### UNIT - V:

Insurance business –meaning and definition of insurance – function of insurance – Advantages of insurance – meaning of Life insurance, Fire insurance and Marine insurance.

#### **TEXT BOOK:**

Balaji C.D & Prasad G (2018), Business Organisation, Margham Publications, Chennai.

#### **DIGITAL TOOLS:**

- <a href="https://www.futurelearn.com">https://www.futurelearn.com</a>
- https://examstime.in

#### Mapping of CO with PSO

		ттирр	ng 01 00 111			
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	1	3	2	2	2	2
CO2	1	2	3	2	2	2
CO3	2	2	3	2	2	3
CO4	1	2	3	2	2	3
CO5	2	2	3	3	3	1