CHOICE BASED CREDIT SYSTEM - LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK B.COM (IT)

PROGRAMME OBJECTIVE:

The B.Com. Information Technology Degree Programme provides ample exposure to courses from the fields of Commerce, Accountancy and Management. The course equips the students for entry level jobs in industry, promotes the growth of their professional career, entrepreneurship and a key contributor to the economic development of the country.

D	D COM L.C T l l
Programme Code :	B.COM Information Technology
Programme Code : Duration :	3 Years (UG)
Programme Outcomes:	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; Communicative 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 the 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 scientific approach to knowledge development.
	PO4: Problem Solving : Capacity to extrapolate from what one has learnt and apply their competencies to solve different kinds of nonfamiliar 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; analyse and synthesize data from the variety of sources; draw valid conclusion and support them with evidence and examples and addressing opposing viewpoints.
	PO6: Research- related skill: 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 hypothesis, analyse and interpret and draw conclusions from data, establish hypothesis, predict cause and effect relationships, execute and report the results of an experiment or investigation. PO7: Co-operation/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 of the team.

PO8: Scientific reasoning: Ability to analyse, interpret and draw conclusions from quantitative or qualitative data: and critically evaluate ideas, evidence and experiences from an open minded and reasoned perspective.

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 variety of learning situations, demonstrate ability to access, evaluate and use a variety of relevant information sources, and use appropriate software for analysis of data.

PO11: Self- directed learning: ability to work independently, identify appropriate resources required for a project and manage a project through to completion.

PO12: Multicultural competence: Posses knowledge of values and belief of multiple cultures and global perspective: and capability to effectively engage in a multicultural society and interact respectfully with diverse groups.

PO13: 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 issue's related to one's work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarist, not adhering to intellectual property rights; appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work.

PO14: Leadership readiness/qualities: Capability for mapping out the task of the team or an organisation, and setting direction, formulating and inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with that vision and using management skill to guide people to the right destination in a smooth and efficient way.

PO15 : Life Long 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 workplace through knowledge/skill development/reskilling.

Programme Specific Outcomes:

(These are mere guidelines. Faculty can create POs based on their curriculum or adopt from UGC or University for their Programme)

PSO1 – Placement:

To prepare the students who will demonstrate respectful engagement with others ideas, behaviours, beliefs and apply diverse frames of reference to decisions and action. Further the students are encouraged with add-on value based and job oriented courses which ensure them to sustain in the organisation level.

PSO2 – Contribution to Business World:

Apply theoretical concepts to business practices to produce employable, ethical, and innovative professionals to sustain in the dynamic business world.

PSO3 – Contribution to the Society:

To contribute to the development of the society by collaborating with stakeholders for mutual benefit. Become acquainted with commercial knowledge and soft skill to react in the most appropriate way when faced with challenges in the society.

CHOICE BASED CREDIT SYSTEM - LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK DEPARTMENT OF B.COM (IT)

Part	Courses	Subject	Code	Cr.	Hrs
		SEMESTER I		l	
I	Lang. – I	nghJj;jkpo; - I	230103101	3	6
II	Lang II	General English – I	231003101	3	4
	CC – 1	Financial Accounting I	233203101	4	5
111	CC – 2	Principles of Management	233203102	4	5
III	EC – I	1. Business Communication	233203103	2	1
	[Any One]	2. Business Economics	233203104	3	4
IV	SEC -I (NME)	Accounting for Business	234603132	2	2
13.7	FC	Office Fundamentals Lab	234403132	2	2
IV	AECC- 1	Soft Skill - I	236003101	2	2
	Total			23	30
		SEMESTER II			
I	LangI	nghJj;jkpo; - II	230103201	3	6
II	LangII	General English - II	231003201	3	4
	CC – 3	Financial Accounting II	233203201	4	5
111	CC - 4	Business Law	233203202	4	5
III	EC – II	Introduction to Information Technology	233203203	3	4
[Any One]		Informatics and Cyber Laws	233203204	3	7
IV	SEC -II (NME)	Accounting for Decision Making	234603232	2	2
	SEC - III	C Programming Lab	234403232	2	2
	AECC –II	Soft Skill - II	236003201	2	2
				23	30
		SEMESTER III			
I	LangI	nghJj;jkpo; - III	230103301	3	6
II	LangII	General English - III	231003301	3	4
	CC – 5	Corporate Accounting I	233203301	4	5
III	CC - 6	Company Law	233203302	4	5
111	EC -3	Programming in C++	233203303	2	4
	EC -3	Introduction to ERP	233203304	3	4
	SEC –IV	Presentation Skills	234403332	1	1
	SEC – V	Programming in C++ Lab	238203332	2	2
.IV	AECC – III	Soft Skill - III	236003301	2	2
	EVS	Environmental Studies - I	234103301	1	1
				23	30

Part	Courses		Code	Cr.	Hrs
	l	SEMESTER IV		I	
I	Lang. – I	nghJj;jkpo; - IV	230103401	3	6
II	Lang II	General English - IV	231003401	3	4
	CC – 7	Corporate Accounting II	233203401	4	5
***	CC - 8	Business Mathematics & Statistics	233203402	4	5
III	EG. W.	Tally Prime Essentials	233203403		
	EC – IV	Visual Basic	233203404	3	3
IV	SEC -VI	Entrepreneurial Skill Development	234403432	2	2
	SEC -VII	Accounting Software Essentials Lab	238203432	2	2
IV	AECC- IV	Soft Skill - IV	236003401	2	2
	EVS	Environmental Studies - II	234103401	1	1
V	Extension	NSS / NCC / Physical Education /		1	
V	Activity **	Rovers and Rangers / Library Science	_	1	_
	Total			25	30
		SEMESTER V			
	CC – 9	Cost Accounting I	233203501	4	5
	CC - 10	Banking Law and Practice	233203502	4	5
	CC - 11	Income tax law and Practice - I	233203503	4	5
III	Core 12	Project with Viva Voce	233203504	4	4
111	EC – V	1. Spread sheet Accounting	233203505	3	5
		2. Web Technology	233203506	3	
	EC – VI	1. Integrated marketing communication	233203507	3	5
	LC VI	2. cryptography and network security	233203508		
		Value Education	234303501	1	1
IV		Internship/Industrial Training(carried out	233203509	2	
		in II year summer vacation)30 hrs*			20
		GEN CEGATED VII		25	30
	CC 12	SEMESTER VI	222202601		T =
	CC – 13	Cost Accounting - II	233203601	4	5
	CC - 14	Management Accounting	233203602	4	5
TTT	CC – 15	Income Tax law and Practice II	233203603	4	3
III	EC -7	 Computerized Application in Business Management information system 	233203604 233203605	3	5
		<u> </u>	233203606		
EC - 8		 Computer graphics and animation Technology Management 	233203607	3	5
	Professional	<i>E1 E</i>			
	competency skill	General awareness for Competitive	224402622	2	4
IV	enhancement	Examinations	234403632	2	4
	course				
		Value Education	234303601	1	1
				21	30

^{**} Physical Education – 235003401 / NCC – 235103401 / NSS – 235203401 / Rovers and Rangers - 235303401 / Library Science - 235403401

^{*}Internship will be carried out during the summer vacation of the Second year and marks will be included in the Fifth Semester Marks Statement.

Title of the	e Course	COST ACCOUNTING I									
PART		III									
Catagomy	Coro	Year		II	Credits	1	Co	ourse	2	22202501	
Category	Core - 9	Semester		III	Credits	4	C	ode	2.	233203501	
Instructional Hours per week		Lecture	Tuto	orial	Lab Practice	Total CIA Exteri		nal	Total		
•		5	-	-		5	25	75		100	
			Lea	arnin	g Objective	es					
≈ To u	nderstand the	e various co	ncept	ts of c	ost account	ing.					
∠ To fa	amiliarize wi	th the diffe	rent r	netho	ds of calcul	lating lal	our co	st.			

UNIT	Details	No. of Periods for the Unit
I	Introduction of Cost Accounting Definition-Nature and Scope – Principles of Cost Accounting – Cost Accounting and Financial Accounting - Cost Accounting Vs Management Accounting –Installation of Costing System – Classification of Costs– Cost Centre– Profit Centre.	15
II	Cost Sheet and Methods of Costing Preparation of Cost Sheet - Tenders & Quotations - Reconciliation of Cost and Financial Accounts –Unit Costing-Job Costing.	15
III	Material Costing Material Control – Meaning and Objectives – Purchase of Materials – EOQ –Stores Records – Reorder Levels – ABC Analysis - Issue of Materials –Methods of Issue – FIFO – LIFO – Base Stock Method – Specific Price Method – Simple and Weighted Average Method.	15
IV	Labour Costing Direct Labour and Indirect Labour – Time Keeping – Methods and Calculation of Wage Payments – Time Wages – Piece Wages – Incentives – Different Methods of Incentive Payments - Idle time–Overtime – Labour Turnover - Meaning, Causes and Measurement.	15
V	Overheads Costing Overheads — Definition — Classification — Allocation and Apportionment of Overheads — Basis of Apportionment — Primary and Secondary Distribution - Absorption of Overheads — Methods of absorption Preparation of Overheads Distribution Statement — Machine Hour Rate — Computation of Machine Hour Rate.	15

Course Outcomes	Course Outcomes
CO1	Remember and recall the various concepts of cost accounting
CO2	Demonstrate the preparation and reconciliation of cost sheet.
CO3	Analyze the various valuation methods of issue of materials.
CO4	Examine the different methods of calculating labour cost.
CO5	Critically evaluate the apportionment of Overheads.

	Text Books (Latest Editions)					
1.	Jain S.P. and Narang K.L, Cost Accounting. Kalyani Publishers, New Delhi					
2.	Khanna B.S., Pandey I.M., Ahuja G.K., and Arora M.N., Practical Costing, S. Chand & Co, New Delhi,					
3.	Dr. S. N. Maheswari, Principles of Cost Accounting, Sultan Chand Publications, New Delhi					
4.	T.S.Reddy and Y. Hari Prasad Reddy, Cost Accounting, Margham publications, Chennai					
5.	S.P. Iyengar, Cost Accounting, Sultan Chand Publications, New Delhi					
	Reference Books					
1.	Polimeni, Cost Accounting: Concepts and Applications for Managerial Decision Making, 1991, McGraw–Hill, New York.					
2.	Jain S.P. and Narang K.L. Cost Accounting, Latest Edition.2013, Kalyani Publishers, New Delhi,					
3.	V.K.Saxena and C.D.Vashist, Cost Accounting, Sultan Chand publications, New Delhi					
4.	Murthy A &GurusamyS,CostAccounting,Vijay Nicole Imprints Pvt .Ltd .Chennai					
5.	Prasad.N.K and Prasad.V.K, Cost Accounting, Book Syndicate, Kolkata					

	Web Resources							
1.	https://study.com/learn/lesson/cost-accounting-principles-examples-what-is-cost-accounting.html							
2	https://www.accountingtools.com/articles/what-is-material-costing.html							
3	https://www.freshbooks.com/hub/accounting/overhead-cost							

rapping with Hogiannic Outcomes.											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	2	2	2	2	3	2	2
CO 2	3	2	2	2	2	2	2	2	3	2	2
CO 3	3	2	3	2	2	2	2	2	3	2	2
CO 4	3	2	2	2	2	2	2	2	3	2	2
CO 5	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

S-Strong M-Medium L-Low

Title of the	e Course	BANKING LAW AND PRACTICE							
PART		III	III						
Cotogomi	Core – 10	Year	III	Credits	4	Course		233203502	
Category		Semester	r V	Credits	4	C	ode	255205502	
Instructional Hours per week		Lecture	Tutorial	Lab Practice	Total CIA		Extern	nal Total	
		5	-		5	25	75		100

Learning Objectives

- To help the students understand various provision of Banking Regulation Act 1949 applicable to banking companies including cooperative banks
- To trace the evolution of central bank concept and prevalent central banking system around the world and their roles and function
- To throw light on Central Bank in India, it formation, nationalizing its organization structure, role of bank to government, role in promoting agriculture and industry, role in financial inclusion
- To understand how capital fund of commercial banks, objectives and process of Asset securitization etc.,
- To explore practical banking systems relationship of bankers and customers, crossing of cheques, endorsement etc.

UNIT	Details	No. of Periods for the Unit
I	Introduction to Banking History of Banking- Provisions of Banking Regulations Act 1949 - Components of Indian Banking - Indian Banking System-Phases of Development - Banking Structure in India - Payment Banks and Small Banks - Commercial Banking: Definition - Classification of Banks. Banking System - Universal Banking - Commercial Banking functions - Role of Banks in Economic Development. Central Banking: Definition - Need - Principles- Central Banking Vs Commercial Banking - Functions of Central Bank.	15
II	RBI Establishment – objective - Legal framework – Functions – SBI - Origin and History – Establishment Indian subsidiaries - Foreign subsidiaries - Non-Banking-Subsidiaries-Personal banking International banking-Trade Financing-Correspondent banking - Co-operative banks-Meaning and definition-Features-Co-operative banks Vs Commercial banks-Structure NBFC-Role of NBFCRBI Regulations-Financial sector reforms-Sukhmoy committee 1985-Narasimham committee I and II-Prudential norms: capital adequacy norms-classification of assets and provisioning – Meaning, Structure of Interest Rates - Short term and Long Term – Impacts of Savings and Borrowings.	15
Ш	Bank Account Opening – Types of Accounts-FDR-Steps in opening Account-Saving vs Current Account-'Donatio Mortis Causa'-Passbook-Bank Customer Relationship-Special Types of currents –KYC norms. Bank Lending – Lending Sources-Bank Lending Principles-Forms of lending-Loan evaluation process-securities of lending-Factors influencing bank lending – Negotiable Instruments –Meaning –Characteristics-Types. Crossing – Definition –Objectives-Crossing and negotiability-Consequences of Crossing.	15

	Endorsement	
IV	Meaning-Components-Kinds of Endorsements-Cheques payable to fictitious person Endorsement by legal representative —Negotiation bankeffect of endorsement-Rules regarding Endorsement - Paying banker-Banker's duty-Dishonouring of Cheques-Discharge of paying banks Payments of a crossed cheque payment. Collecting bankers-Statutory protection under section85 - Refusal of cheques Payment. Collecting Banker-Statutory protection under section 131-Collecting bankers' duty — RBI instruction —Paying Banker Vs Collecting Banker- Customer grievances-Grievance Redressal—Banking Ombudsman.	15
V	E-Banking Meaning-Services-e-banking and Financial services- Initiatives- Opportunities-Internet banking Meaning-Internet banking Vs Traditional banking-Services-Drawbacks-Frauds in Internet banking. Mobile banking-Anywhere Banking-Any Time Banking- Electronic Mobile Wallets. ATM Evolution -Concept-Features - Types Electronic money- Meaning-Categories-Merits of e-money - National Electronic Funds Transfer (NEFT) Real Time Gross Settlement (RTGS) Difference between NEFT & RTGS- Meaning- Steps-Benefits-Monetary policies- final sector reforms- Chakravarthy committee 1985- Narasimham Committee I &II Prudential norms capital adequacy norms- classification of assets & provisions.	15

Course Outcomes	Course Outcomes
CO1	Aware of various 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, it 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.

	Text Books (Latest Editions)							
1.	Gurusamy S, Banking Theory: Law and Practice, Vijay Nicole Publication, Chennai							
2.	Muraleedharan, Modern Banking: Theory and Practice, Prentice Hall India Learning Private Ltd, New Delhi							
3.	Gupta P.K. Gordon E-Banking and Insurance, Himalaya publication, Kolkata							
4.	Gajendra, A Text on Banking Theory Law & Practice, Vrinda Publication, Delhi							
5.	K P Kandasami, S Natarajan & Parameswaran, Banking Law and Practice, S Chand publication, New Delhi							

	Reference Books								
1.	B. Santhanam, Banking & Financial System, Margam Publication, Chennai								
2.	KataitSanjay, Banking Theory and Practice, Lambert Academic Publishing,								
3.	Henry Dunning Macleod, The Theory And Practice Of Banking, Hard Press Publishing, Old New Zealand								
4.	William Amasa Scott, Money And Banking: An Introduction To The Study Of Modern Currencies, Kesinger publication, USA								
5.	NektariosMichail, Money, Credit, and Crises: Understanding the Modern Banking System, Palgrave Macmillan, London								

	Web Resources							
1.	https://www.rbi.org.in/							
2	https://businessjargons.com/e-banking.html							
3	https://www.wallstreetmojo.com/endorsement/							

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	3	2	2	2	3	3	2
CO 2	3	2	2	2	3	2	2	2	3	3	2
CO 3	3	2	3	2	3	2	2	2	3	3	2
CO 4	3	2	2	2	3	2	2	2	3	3	2
CO 5	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

S-Strong M-Medium L-Low

Title of	the Course	INCOM	E TAX L	AW AND I	PRACT	ICE I			
PART		III							
Category Core 11		Year Semester	III · V	Credits	4		Course Code		233203503
Instruction per week	ctional Hours ek	Lecture	Tutorial	Lab Practice	Total	CIA	Extern	nal	Total
per we		5	-		5	25	75		100
				g Objectiv					
✓ To understand the basic concepts & definitions under the Income Tax Act,1961.								1.	
	To compute the resi				the inci	dence	of tax.		
	Γο compute income					1	.1 1	1	c ·
	To learn the concep		al value, a	associated d	leduction	is and	the calci	ılatı	on of income
	rom House propert To compute the in		n Rucinac	e & Drofae	sion co	ncidari	na ita b	acic	principles &
	pecific disallowand		n Dusines	s & FIUIES	551011 (0)	11514611	ng ns u	asic	principles &
	promis albano want								No. of
UNIT			Deta	ils					Periods for
									the Unit
I	Introduction to Income Tax Introduction to Income Tax – History – Objectives of Taxation - Features of Income Tax – Meaning of Income – Types – Important Definitions Under the Income Tax Act – Assessee – Types – Incomes Exempted under Section 10.							12	
II	Residential Status Residential Status – Residential Status of an Individual – Company – HUE							and	12
Ш	Income from Salary Computation of Salary Income – Features of Salary – Allowances – Types						ent	12	
IV	Income from House Property Income from House Property –Basis of Charge – Annual Value – Gross Annual Value, Net Annual Value of Let-out Property, Self– Occupied Property – Amenities –Deductions.							12	
V	Profits and Gains Income from Bu Allowable Exper Depreciation – Investments – Co Accounts of Certa on Estimated Basi	usiness or nses - Ge Deemed mpulsory ain Person	Professi eneral De Business Maintenar s – Specia	on – Alloductions – Profits - ace of Book I Provision	Provise Undisclusion of Acts of Acts for Co	ions I osed counts omputin	Relating Incomes — Auditing Incor	to - of nes	12

Course	Course Outcomes
Outcomes	
CO1	Demonstrate the understanding of the basic concepts and definitions under the
COI	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.

	Text Books (Latest Editions)						
1.	V.P.Gaur, Narang, Puja Gaur and Rajeev Puri - Income Tax Law and Practice, Kalyani						
	Publishers, New Delhi.						
2.	T.S.Reddy and Hariprasad Reddy, Income Tax Law and Practice, Margham						
	Publications, Chennai.						
3.	Dinkar Pagare, Income Tax Law and Practice, Sultan & Chand Sons, New Delhi.						
4.	H.C. Mehrotra, Dr.GoyalS.P, Income Tax Law and Accounts, Sahitya Bhavan						
	Publications, Agra.						
5.	T. Srinivasan – Income Tax & Practice – Vijay Nicole Imprints Private Limited,						
	Chennai.						

	Reference Books						
1.	Hariharan N, Income Tax Law & Practice, Vijay Nicole Imprints Pvt. Ltd. Chennai						
2.	Bhagwati Prasad, Income Tax Law and Practice, Vishwa Prakasan. New Delhi.						
3.	Vinod K. Singhania, Students Guide to Income Tax., U.K.Bharghava Taxman.						
4.	Dr. Vinod K Singhania, Dr. Monica Singhania, Taxmann's Students' Guide to Income						
	Tax, New Delhi.						
5.	Mittal Preethi Rani and Bansal Anshika, Income Tax Law and Practice, Sultan &						
	Chand Sons, New Delhi.						

	Web Resources							
1.	https://cleartax.in/s/residential-status/							
2	https://www.legalraasta.com/itr/income-from-salary/							
3	https://taxguru.in/income-tax/income-house-properties.html							

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	3	2	2	2	3	3	2
CO 2	3	2	2	2	2	2	2	2	3	2	2
CO 3	3	3	3	2	3	2	2	2	3	3	2
CO 4	3	2	2	2	2	2	2	2	3	3	2
CO 5	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

S-Strong M-Medium L-Low

Title of the Course		PROJECT WITH VIVA VOCE								
PART		III	III							
Cotogowy	Core 12	Year	III	Credits	4	Course		222202504		
Category		Semeste	r V	Credits	4	C	Code		233203504	
Instructional Hours per week		Lecture	Tutorial	Lab Practice	Total CIA Exter		Extern	al	Total	
per week		4	-		4	25	75		100	

Title of th	ne Course	SPREAI	SHEET	ACCOUN	TING					
PART		III								
Category	Elective- 5.1	Year	III	Credits	3	C	ourse	233203505		
		Semeste	r V			C	ode	255205505		
	onal Hours	Lecture	Tutorial	Lab Practice	Total	Total CIA		al Total		
per week		5	-		5	25	75	100		
			Learnin	g Objectiv	es	ľ	•	•		
∠ To	understand the w	vorking of	spreadshe	et						
	analye the functi									
	imply the function									
	explore the repor									
∠ To	give more knwo	eldge on th	ne account	ing princip	les in sp	readhse	eet	1		
UNIT			Deta	ils				No. of Periods		
								for the Unit		
I	Spreadsheets: A – History of S Spreadsheet an Excel and Go Columns, Cell G Spreadsheet –Ec Construct, Modi	Spreadshee ad Micros ogle Shee Coordinate dit and For	t – Sprea oft Excel) ets –Spre es – Getti rmat a Spr	adsheets in — Differer adsheet B ng Familia eadsheet —	Population	r use ween M Cells he Mei a Sprea	(Google dicrosoft, Rows, nus on a	15		
II	Construct, Modify, and Format and Print a Spreadsheet. Spreadsheet Functions: Formulas Basic Functions – Date and Time Functions – Logical Functions - Manipulating Text using Functions – Financial and Statistical Functions – Database Functions									
III	Spreadsheet Functions: Data Filter and Sort Functions – Data Validation – Conditional Filters – Pivot Tables – Group and Sub-Totals – What-if Analysis – Writing Macros (Basics) - Connect to Database (optional topic).									
IV	Spreadsheet for Spreadsheets – SQUERY Function	Set Calcul	ations Set	tings – Gra				15		
V	Spreadsheet for journalize and p Template – Pers	ost transa	ctions – P	reparing a	Budget	_		15		

Course	Course Outcomes
Outcomes	
CO1	Paraphrase the importance of spreadsheet accounting
CO2	Applications of spreadsheet functions in spreadsheet accounting
CO3	Implication of data functions in spreadsheet accounting
CO4	Describe the reports of spreadsheet accounting
CO5	Enumerate the accounting terminology in spreadsheet accounting

	Text Books (Latest Editions)							
1.	John Walkenbach , MS Excel Bible, Wiley Publication, New Jersey, USA.							
2.	Ramesh Bangia, Learning Microsoft Excel 2013, Khanna Book Publishing, Bangalore.							
3.	Wayne L Winston, Microsoft Excel, Data Analysis and Business Modelling, Prentice Hall, New Jersey, USA.							
4.	Greg Harvey, Excel 2016 for Dummies, Chennai.							

	Reference Books									
1.	Glyn Davis &BrankoPecar: Business Statistics using Excel, Oxford publications, Chennai.									
2.	Google Sheets Basics: Masato Takeda and others; TekuruInc, India.									
3.	HarjitSuman, Excel Bible for Beginners, Kindle Editio, Chennai.									
4.	Jennifer Ackerman Kettel, Guy Hat-Davis, Curt Simmons, "Microsoft 2003", Tata McGrawHill, Noida.									

	Web Resources								
1.	https://www.freebookkeepingaccounting.com/using-excel-in-accounts								
2	https://courses.corporatefinanceinstitute.com/courses/free-excel-crash-course-for-finance								
3	https://www.youtube.com/watch?v=Nv_Nnw01FaU								

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	3	2	3	3	3	2	2
CO 2	3	2	2	2	2	2	2	2	3	2	3
CO 3	3	3	3	2	3	2	3	3	3	2	2
CO 4	3	2	2	2	2	2	2	2	3	2	2
CO 5	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

S-Strong M-Medium L-Low

Title of t	he Course	WEB TE	CHNOL	OGY					
PART		III							
Cotogory	EC 5.2	Year	III	Credits	3	C	ourse	233203506	
Category		Semester	· V			C	ode	233203300	
Instructional Hours per week		Lecture	Tutorial	Lab Practice	Total CIA Exter		Extern	al Total	
per week	per week		-		5	25	75	100	
				g Objective	es				
	understand the in								
	have practical ki			aScript					
	instil the prograi								
	apply the structu			4					
Æ 10	analyze the requ	est and res	ponse obj	ects				No. of	
UNIT			Deta	ils				Periods for the Unit	
_	Internet Basic – Introduction to HTML – List – Creating Table – linking document – frames – graphics to HTML Doc- Creating simple static page.								
II	syntax – Data t	Introduction to JavaScript – Advantage of Java script – java script syntax – Data type – variable – array – operator and expression – looping constructor – function – Dialog box.							
III	JavaScript document object model – introduction – object in HTML –								
IV	properties - cor Tables, Forms -	ASP.NET: Language Structure – page structure – page event, properties - compiler directives. HTML server controls – Anchor, Tables, Forms - Basic Web server controls – label, textbox, button, mage, links, check & radio button, hyperlink.							
V	Request and R connection class, data set class. Se Client Certificate	, Command ecurity: Au	d class Tra	ansaction c	lass, dat	a adapt	or class,	15	

	Course Outcomes							
Course	Course Outcome							
Outcomes	Course Outcome							
CO1	Illustrate the objectives of HTML							
CO2	Describe the advantages of Java Script							
CO3	Apply the skills of HTML Objects							
CO4	Analyze the language structure in HTML							
CO5	Explain the IP Address and to secure by SSL							

	Text Books (Latest Editions)							
1.	Bayross, Web Enable Commercial Application Development Using HTML, DHTML,							
	javascript, Perl CGL. BPB Publications, 2000							
2.	G. Buczek, ASP.NET Developers Guide, TMH, 2002 3. A.Russell Jones, Mastering							
	Active Server Pages 3, BPB Publications							
3.	M Srinivasan, Web technology, Pearson, 2012							

	Reference Books								
1	Akshi Kumar, Web Technology, Theory and Practice, CRC Press								
2	C Xavier, Web technology & design, New Age Publications								
3	Pankaj Sharma, Introduction to web technology, S. K. Kataria & Sons, 2009								
	Web Resources								
1.	https://www.google.co.in/books/edition/Web_Technology/BmDW8qqOl5EC?hl=en&gbpv								
	=1&dq=web%20technology&pg=PR4&printsec=front cover								
2	https://www.google.co.in/books/edition/Web_Technology/bEUPEAAAQBAJ?hl=en&gbp								
	v=1&dq=web%20technology&pg=PP1&printsec=front cover								
3	https://www.google.co.in/books/edition/Web_Technology_Design/nKjLYPCVxGIC?hl								
	=en&gbpv=1&dq=web%20technology&pg=PP1&printsec=front cover								

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	2.4

3-Strong, 2- Medium, 1- Low

Title of the	he Course	INTEGR	ATED M	1ARKETIN	NG CO	MMUN	NICATI	ON	
PART		III							
Category	EC 6.1	Year Semester	III V	Credits	3		ourse ode	23	33203507
Instructional Hours per week		Lecture	Tutorial	Lab Practice	Total	CIA	Exteri	nal	Total
per week		5	-		5	25	75		100
			Learning	g Objective	S				
≈ To	understand the re	ole of Integ	rated Ma	rketing Con	nmunica	tion			
	enhance knowle						rarchy		
∠ To	have an understa	anding on b	udgeting	for promoti	onal pro	gramn	nes		
	learn the develop								
∠ To	examine the effe	ectiveness a	nd contro	ol of promot	tional pr	ogramı	mes		
UNIT	Details								No. of eriods for the Unit
I	An Introduction to Integrated Marketing Communication (IMC) Meaning and role of IMC in the Marketing process, Introduction to IMC tools – Advertising, sales promotion, publicity, public relations, and event sponsorship								15
п	Understanding communication process Source, Message and channel factors, Communication response hierarchy- AIDA model, Hierarchy of effect model, Innovation adoption model, information processing model								15
Ш	Planning for Marketing Communication (Marcom) Establishing marcom Objectives and Budgeting for Promotional Programmes-Setting communication objectives, Sales as marcom objective, Budgeting for marcom-Factors influencing budget							15	
IV	Developing the Integrated Marketing Communication Programme Planning and development of creative marcom. Creative strategies in advertising, sales promotion, publicity, event sponsorships etc								
V	Measuring Effect Meaning and in The testing proof tools and IMC.	nportance o	of measur	ring commu	ınicatior	n effec	tiveness	,	15

	Course Outcomes								
Course Outcomes	Course Outcome								
CO1	Explain the role of Integrated Marketing Communication								
CO2	Describe the different types of model in communication hierarchy								
CO3	Enumerate the Objectives and Budgeting for Promotional Programmes								
CO4	List out the development in creative marketing communication								
CO5	Outline the effectiveness and control of promotional programmes in IMC								

	Text Books (Latest Editions)
1.	Advertising Management, Jaishri Jethwaney & Shruti Jain, Oxford University Press
2.	Advertising & Promotions: An IMC perspective, Kruti Shah and Alan D'Souza, Tata
	McGraw Hill
3.	Advertising & Promotion- An Integrated Marketing Communications Perspective,
	George Belch, Michael Belch & Keyoor Purani, TATA McGraw Hill

	Reference Books
1	Jerome M. Juska- Integrated Marketing Communication ,Taylor & Francis
2	Advertising & Promotions, S H Kazmi and Satish K Batra, Excel
3	Advertising & Promotion: An IMC approach, Terence A. Shimp Pub., Cengage Learnin
	Web Resources
1.	https://www.google.co.in/books/edition/Marketing_Communications/paVeBAAAQBAJ?hl =e n&gbpv =1&dq=marketing%20communications&pg=PP1&printsec=front cover
2	https://www.google.co.in/books/edition/Marketing_Communications/q6deBAA AQBAJ?hl=en&gbpv=1&dq=marketing%20communications&pg=PA1&printsec=frontcover

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

Title of the	ne Course	CRYPTO	OGRAPH	IY AND N	ETWOI	RK SE	CURITY	7		
PART		III								
Category	EC 6.2	Year Semester	III V	Credits	3		ourse ode	233	233203508	
Instruction per week	onal Hours	Lecture	Tutorial	Lab Practice	Total	CIA	Externa	al	Total	
F		5			5	25	75		100	
				g Objective	es					
	understand on th				1					
	apply the mathe									
	analyze the matl		•		piograph	ıy				
	imply the auther understand elect									
UNIT	understand elect	ion man sa	Deta					Peri	lo. of iods for e Unit	
I	Security trends – Legal, Ethical and Professional Aspects of Security, Need for Security at Multiple levels, Security Policies – Model of network security – Security attacks, services and mechanisms – OSI security architecture – Classical encryption techniques: substitution techniques, transposition techniques, steganography- Foundations of modern cryptography: perfect security – information theory – product cryptosystem – cryptanalysis.							15		
II	Mathematics of Symmetric Key Cryptography: Algebraic structures – Modular arithmetic-Euclid"s algorithm- Congruence and matrices - Groups, Rings, Fields- Finite fields- SYMMETRIC KEY CIPHERS: SDES – Block cipher Principles of DES – Strength of DES – Differential and linear cryptanalysis – Block cipher design principles – Block cipher mode of operation – Evaluation criteria for AES –									
Ш	Advanced Encryption Standard – RC4 – Key Distribution. Mathematics of Asymmetric Key Cryptography: Primes – Primality Testing –Factorization – Euler's totient function, Fermat's and Euler's Theorem – Chinese Remainder Theorem – Exponentiation and logarithm – ASYMMETRIC KEY CIPHERS: RSA cryptosystem – Key distribution – Key management – Diffie Hellman key exchange - ElGamal cryptosystem – Elliptic curve arithmetic-Elliptic curve cryptography.								15	
IV	function – Sec signature and a Biometrics, Pas	Authentication requirement – Authentication function – MAC – Hash function – Security of hash function and MAC – SHA –Digital signature and authentication protocols – DSS- Entity Authentication: Biometrics, Passwords, Challenge Response protocols- Authentication applications – Kerberos, X.509								
V	Electronic Mail - SYSTEM SEC								15	

Firewalls.

	Course Outcomes							
Course Outcomes	Course Outcome							
CO1	Remember the security trends in cryptography and network security							
CO2	Enumerate the algebra structures							
CO3	Apply and analyze the key distribution of mathematical of asymmetrical key							
CO4	Implication of authentication requirement and functions							
CO5	Describe the electronic mail security and web security system							

	Text Books (Latest Editions)
1	William Stallings, "Cryptography And Network Security – Principles and Practices", Prentice Hall of India, Third Edition, 2003.
2	Atul Kahate, "Cryptography and Network Security", Tata McGraw-Hill, 2003.
3	Bruce Schneier, "Applied Cryptography", John Wiley & Sons Inc, 2001.

	Reference Books
1	Charles B. Pfleeger, Shari Lawrence Pfleeger, "Security in Computing", Third Edition, Pearson Education, 2003
2	William Stallings, Cryptography and Network security, Hardcover, 2016
	Web Resources
1.	https://www.google.co.in/books/edition/Cryptography_and_Network_Security/v8nCCwA AQBAJ?hl=en≷=in&kptab=editions&sa=X&ved=2ahUKEwiDnLTgxoP8AhXbpVYB Hd18CggQmBZ6BAgBEAc
2	https://www.google.co.in/books/edition/Cryptography_And_Network_Security_4_E/qKcr ce0x_2YC?hl=en&gbpv=1&dq=cryptography%20and%20network%20security&pg=PP1 &printsec=frontcover
3	https://www.google.co.in/books/edition/Introduction_to_Cryptography_and_Network/JG PDxwEACAAJ?hl=en

MAPPING WITH PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	2	3	3	3	2	2
CO2	3	2	2	3	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	3	3	2	3	3	3	2	3
TOTAL	15	13	13	12	13	10	13	13	15	10	12
AVERAGE	3	2.6	2.6	2.4	2.6	2	2.6	2.6	3	2	2.4

3 – Strong, 2- Medium, 1- Low

Title of t	he Course	CORPO	RATE A	CCOUNTI	NG II					
PART		III								
Category	y Core – 13	Core – 13 Year III Credits 4 Course Code			233203601					
Instructi per week	onal Hours	Lecture	Tutorial	Lab Practice	Total	CIA	Externa			
<u> </u>		5	-		5	25	75	100		
n 1	. 1.1 . 1 1	l : C . /		g Objective	es					
o unders	tand the standard	is in Cost A	Accounting	5						
	the concepts of co									
To be fam	iliar with the con	cept of pro	ocess costi	ng.						
o learn a	bout operation co	osting.								
To gain in	sights into standa	ard costing	•							
Prerequis	site: Should have	e studied (Cost Accor	unting in '	V Sem					
UNIT	Details							No. of Periods fo the Unit		
I	An Introduction Difference betw CAS Coverage Accounting and	veen CAS a e – Cos	and FAR I st Accour	Regulations nting Stanc	– Diffe lards -	rent De	egrees of	15		
II	Accounting and Divisional Performance Measurement. Contract Costing Definition - Features of Contract Costing - Calculation of Profit on Contracts - Cost Plus Contract- Contract Costing and Job Costing - A Comparison -Preparation of Contract A/c.									
Ш	Process Costing Process Costing — Meaning — Features of Process Costing — Application of Process Costing — Fundamental Principles of Process Costing — Treatment of Loss and Gain: Normal and Abnormal Loss — Abnormal Gain - Joint Products, By Products — Concept of Equivalent Production — Process Accounts - Process Losses and Gains.									
	Operation Costing									
IV	Operation Costing – Meaning – Preparation of Operating Cost Sheet – Transport Costing – Power Supply Costing–Hospital Costing–Simple Problems.									
	Standard Cost	ing								
\mathbf{V}	Definition – Ol	•	_	es – Standa				15		

Course Outcomes	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.

Cost – Installation of Standard Costing – Variance Analysis – Material, Labour, Overhead, and Sales Variances – Calculation of

V

Variances.

15

	Text Books (Latest Editions)
1.	Jain S.P. and Narang K.L. Cost Accounting. Kalyani Publishers. New Delhi.
2	Khanna B.S., Pandey I.M., Ahuja G.K., and Arora M.N., Practical Costing, S Chand & Co, New Delhi.
3.	Dr.S.N.Maheswari, Principles of Cost Accounting, Sultan Chand publications, New Delhi.
4.	T.S.Reddy and Y. Hari Prasad Reddy, Cost Accounting, Margham publications, Chennai.
5.	S.P. Iyengar, Cost Accounting, Sultan Chand Publications, NewDelhi.

	Reference Books
1.	Polimeni, CostAccounting:ConceptsandApplicationsforManagerialDecisionMaking, New York, McGraw–Hill, Noida.
2.	Jain S.P. and Narang K.L. Cost Accounting, Kalyani Publishers, New Delhi.
3.	V.K.Saxena and C.D.Vashist, Cost Accounting, Sultan Chand publications, New Delhi.
4.	Murthy A &GurusamyS,CostAccounting,Vijay Nicole Imprints Pvt .Ltd .Chennai.
5.	Prasad.N.K and Prasad.V.K,Cost Accounting, Book Syndicate, Bangladesh.

	Web Resources
1.	https://www.economicsdiscussion.net/cost-accounting/contract-costing/32597
2	https://www.wallstreetmojo.com/process-costing/
3	https://www.accountingnotes.net/cost-accounting/operating-costing/17755

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	3	3	2	3	3	3	3	3	2	2
CO 2	3	3	3	2	2	3	2	2	3	2	3
CO 3	3	3	3	2	3	3	3	3	3	2	2
CO 4	3	3	3	2	2	3	2	2	3	2	2
CO 5	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

S-Strong M-Medium L-Low

Title of the	e Course	MANAGEMENT ACCOUNTING								
PART		III								
Catagory	Core - 14	Year	III	Credits	4	Co	ourse	222202602		
Category		Semeste	r VI	Creans	4	Co	Code		233203602	
Instruction per week	Instructional Hours		Tutorial	Lab Practice	Total	CIA	Extern	al	Total	
per week		5	-		5	25	75		100	
Learning Objectives										
To understand basics management accounting										

- - ✓ To gain insights into marginal costing.

Prerequisite: Should have studied Financial Accounting in I st Sem

UNIT	Details	No. of Periods for the Unit
I	Introduction to Management Accounting Management Accounting – Meaning – Scope – Importance- Limitations - Management Accounting Vs Cost Accounting – Management Accounting Vs Financial Accounting.	15
п	Financial Statement Analysis Analysis and Interpretation of Financial Statements – Nature and Significance – Types of Financial Analysis – Tools of Analysis – Comparative Statements – Common Size Statement – Trend Analysis. Ratio Analysis: Meaning – Advantages – Limitations – Types of Ratios – Liquidity Ratios – Profitability Ratios - Turnover Ratios – Capital Structure Ratios – Leverage Ratios - Preparation of Financial Statements from Ratios.	15
III	Fund Flow Analysis & Cash Flow Analysis Introduction, Meaning of Funds Flow Statement-Ascertainment of Flow of Funds -Technique of Preparing Funds Flow Statement- Schedule of Changes in Working Capital-Adjusted Profit and Loss Account - Preparation of Funds Flow Statement. Cash Flow Statements: Meaning – Advantages – Limitations – Preparation of Cash Flow Statement as per AS 3 – Types of Cash Flows - Operating, Financing and Investing Cash Flows.	15
IV	Budgetary Control Budgetary Control: Meaning – Preparation of Various Budgets – Cash Budget - Flexible Budget – Production Budget – Sales Budget.	15
V	Marginal Costing: Meaning - Features - Fixed Cost, Variable Cost and Semi Variable Cost- Contribution- Marginal Cost Equation- P/V Ratio - Break Even Point - Margin of Safety - Cost- Volume Profits Analysis- Break Even Point - Decision Making: Selection Of a Product Mix - Make or Buy Decision - Discontinuance of a product line - Change or Status quo - Limiting Factors - Exploring New Markets.	15

Course Outcomes	Course Outcome
CO1	Remember and recall basics in management accounting
CO2	Apply the knowledge of preparation of Financial Statements
CO3	Analyze 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.

	Text Books (Latest Editions)					
1.	Jain S.P. & Narang K.L. (2018) Cost and Management Accounting, kalyani publications,					
2.	Dr.S.N.Maheswari, Cost and Management Accounting, Sultan Chand sons publications,					
	New Delhi.					
3.	Sharma and Shashi K. Gupta, Management Accounting, Kalyani Publishers, Chennai.					
4.	Jenitra L Mervin ,Daslton L Cecil, Management Accounting, Lerantec Press, Chennai.					
5.	T.S.Reddy& Y. Hari Prasad Reddy, Management Accounting, Margham					
	publications, Chennai.					
	Reference Books					
1.	Chadwick – The Essence of Management Accounting, Financial Times Publications,					
1.	England.					
2.	Charles T.Horngren and Gary N. Sundem-Introduction to Management Accounting,					
۷.	Pearson, Chennai.					
3.	Murthy A and Gurusamy S ,Management Accounting- Theory &Practice, Vijay Nicole					
٥.	Imprints Pvt. Ltd .Chennai.					
4.	Hansen - Mowen, Cost Management Accounting and Control, South Western College,					
7.	India.					
5.	N.P. Srinivasan, Management Accounting, New Age publishers, Chennai.					

	Web Resources
1.	https://www.accountingnotes.net/companies/fund-flow-analysis/fund-flow-analysis-accounting/13300
2	https://accountingshare.com/budgetary-control/
3	https://www.investopedia.com/terms/m/marginalcostofproduction.asp

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	3	2	3	3	3	2	2
CO 2	3	2	2	2	3	2	2	2	3	2	3
CO 3	3	2	3	2	3	2	3	3	3	2	2
CO 4	3	2	2	2	3	2	2	2	3	2	2
CO 5	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

S-Strong M-Medium L-Low

Title of the	he Course	INCOMI	E TAX L	AW AND	PRACT	ICE II			
PART		III							
	C 15	Year	III	C - 1'4	4	C	ourse	222202	(02
Category	Core – 15	Semester	· VI	Credits	4	C	ode	233203	603
	onal Hours	Lecture	Tutorial	Lab Practice	Total	CIA	Externa	d To	tal
per week		5	-		5	25	75	10	00
			Learnin	g Objectiv	res				
	understand provi		<u> </u>						
	know the provisi								
	familiarize law r	elating to s	set off and	d carry forv	vard of l	osses a	nd deduct	tions from	ı Gr
	tal Income. learn about asses	amont of in	ndividu ale						
	gain knowledge								
Æ 10	gain knowledge	about asses	ssmem pro	ocedures.				No. of Pe	rio
UNIT			Deta	ils				for the	
	Capital Gains								
I	Capital Gains -	- Kinds of Capital Assets - Computation of Capital 15							
	Gains – Exempt								
	Income From (Other Sour	ces						
	Income from O	ther Sourc	es – Inco	ome Charge	eable to	Tax 11	nder the		
II	Head Income from	15							
	from Other Sour								
	Problems on Co								
	Set Off and Ca	rry Forwa	rd of Los	sses and D	eduction	ıs Froi	n Gross		
	Total Income	G . CC	1 0		1 C T		(G: 1		
III	Provisions for	15							
	Problems). Ded	10							
	CCE, 80D, 80D								
	Assessment of 1								
	Assessment of I	ome and							
IV	Tax Liability of		4-	,					
1 V	from salaries, H		15						
	mom salaries, I	a una 110							
	given).				1				

Assessment – Filing of Return – Due Dates of Filing – Voluntary Filling – Return of Loss – Related Return – Defective Return –

Signing of Return – Permanent Account Number (PAN)

15

Course	Course Outcomes					
Outcomes	Course Outcomes					
CO1	Remember and recall provisions on capital gains					
CO2	Apply the knowledge about income from other sources					
CO3	Analyze the set off and carry forward of losses provisions					
CO4	Learn about assessment of individuals					
CO5	Apply procedures learnt about assessment procedures.					

	Text Books (Latest Editions)						
1.	V.P.Gaur, Narang, Puja Gaur and Rajeev Puri- Income Tax Law and Practice, Kalyani						
	Publishers, New Delhi.						
2	T.S.Reddy and Hariprasad Reddy, Income Tax Law and Practice, Margham Publications, Chennai.						
3							
3	DinkarPagare, Income Tax Law and Practice, Sultan & Chand Sons, New Delhi.						
4	Mehrotra H.C, Dr.GoyalS.P,Income Tax Law and Accounts, SahityaBhavan						
	Publications, Agra.						
_	T. Srinivasan - Income Tax & Practice -Vijay Nicole Imprints Private Limited ,						
5	Chennai.						
	Reference Books						
1.	Hariharan N, Income Tax Law & Practice, Vijay Nicole Imprints Pvt. Ltd. Chennai.						
2.	Bhagwati Prasad, Income Tax Law and Practice, VishwaPrakasan, New Delhi.						
3	Vinod K. Singhania, Students Guide to Income Tax., U.K. Bharghava Taxman, New Delhi.						
4	Dr. Vinod K Singhania, Dr. Monica Singhania, Taxmann's Students' Guide to Income Tax, New Delhi.						
5	Mittal PreethiRani andBansalAnshika, Income Tax Law and Practice, Sultan & Chand Sons, New Delhi.						

	Web Resources
1.	https://www.investopedia.com/terms/c/capitalgain.asp
2	https://www.incometaxmanagement.com/Direct-Taxes/AY-2021-22/assessment/1-
	assessment-of-an-individual.html
3	https://www.incometax.gov.in/iec/foportal/

Mapping with Programme Outcomes and PSO:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	3	2	3	3	3	2	2
CO 2	3	2	2	2	2	2	2	2	3	2	3
CO 3	3	3	3	2	3	2	3	3	3	2	2
CO 4	3	2	2	2	2	2	2	2	3	2	2
CO 5	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

S-Strong M-Medium L-Low

Title of the	Course	COMPUTERIZED APPLICATION IN BUSINESS									
PART		III	III								
Cotogowy	Elective	Year	III	Credits	3	Co	ourse	233203604			
Category	71	Semeste	r VI	Credits	3	Co	ode				
Instructional per week	Instructional Hours		Tutorial	Lab Practice	Total	CIA	Extern	al	Total		
per week		5	-		5	25	75		100		

Learning Objectives

- Z To generate electronic mail for communicating in an automated office for business environment.

UNIT	Details	No. of Periods for the Unit
I	Word Processing Introduction to Word Processing, Word Processing Concepts, Use of Templates, and Working with Word Document: Editing Text, Find and Replace Text, Formatting, Spell Check, Autocorrect, Auto Text - Bullets and Numbering, Tabs, Paragraph Formatting, Indent, and Page Formatting, Header and Footer.	15
II	Mail Merge Tables - Inserting, Filling and Formatting a Table - Inserting Pictures and Video - Mail Merge Including Linking with Database - Printing Documents, Creating Business Documents.	15
III	Preparing Presentations Basics of Presentations: Slides, Fonts, Drawing, Editing, Inserting, Tables, Images, texts, Symbols. Media – Design – Transition – Animation - Slideshow. Creating Business Presentations.	15
IV	Spreadsheet and its Business Applications Spreadsheet: Concepts, Managing Worksheets - Formatting, Entering Data, Editing, and Printing a Worksheet - Handling Operators in Formula, Project Involving Multiple Spreadsheets, Organizing Charts and Graphs. Mathematical, Statistical, Financial, Logical, Date and Time, Lookup and Reference, Database, and Text Functions.	15
V	Creating Business Spreadsheet Creating Spreadsheet in the Area of: Loan and Lease Statement, Ratio Analysis, Payroll Statements, Capital Budgeting, Depreciation Accounting, Graphical Representation of Data, Frequency Distribution and its Statistical Parameters, Correlation and Regression.	15
	THEORY 20% & PROBLEMS 80%	

Course	Course Outcomes						
Outcomes	Course Outcomes						
CO1	Recall various techniques of working in MS-WORD.						
CO2	Prepare appropriate business document.						
CO3	Create - Presentation for Seminars and Lecture.						
CO4	Understanding various tools used in MS-EXCEL.						
CO5	Apply Excel tools in various business areas of Finance, HR, Statistics.						

	Text Books (Latest Editions)						
1.	R Parameswaran, Computer Application in Business - S. Chand Publishing, UP.						
2.	Dr.Sandeep Srivastava, Er. Meera Goyal, Computer Applications In Business - SBPD						
	Publications, UP.						
3.	MansiBansal, Sushil Kumar Sharma, Computer Application In Business						
4.	Peter Norton, "Introduction to Computers" -Tata McGraw-Hill, Noida.						
5.	Renu Gupta : Computer Applications in Business, Shree Mahavir Book Depot						
	(Publishers) New Delhi.						
	Reference Books						
1.	Gupta, Swati, Office Automation System, Lap Lambert Academic Publication. USA.						
2.	Jennifer Ackerman Kettel, Guy Hat-Davis, Curt Simmons, "Microsoft 2003", Tata						
	McGrawHill, Noida.						
3	Dr.R.Deepalakshmi, Computer Fundamentals and Office Automation, Charulatha						
	Publications, Tamilnadu.						
4	John Walkenbach ,MS Excel 2007 Bible, Wiley Publication, New Jersey, USA.						
5	Glyn Davis & Branko Pecar: Business Statistics using Excel, Oxford publications,						
	Chennai.						

	Web Resources								
1.	https://www.youtube.com/watch?v=Nv_Nnw01FaU								
2	https://www.udemy.com/course/office-automation-certificate-course/								
3	https://guides.lib.umich.edu/ld.php?content_id=11412285								

Mapping with Programme Outcomes and PSO:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	3	2	3	2	3	2	2
CO 2	3	2	3	2	2	2	2	2	3	2	3
CO 3	3	3	3	2	3	2	3	2	3	2	2
CO 4	3	2	3	2	2	2	2	2	3	2	2
CO 5	3	3	3	2	3	2	3	2	3	2	3
TOTAL	15	12	15	10	13	10	13	10	15	10	12
AVERAGE	3	2.4	3	2	2.6	2	2.6	2	3	2	2.4

S-Strong M-Medium L-Low

Title of	the (Course	MANAG	EMENT	INFORM	ATION	SYST	EM			
PART			III								
Categor	y E	EC 7.2	Year Semester	· VI	Credits	3		ourse ode	233	3203605	
Instruct per wee		l Hours	Lecture	Tutorial	Lab Practice	Total	CIA	Extern	nal	Total	
per wee	•		5	-		5	25	75		100	
		4 . 4 .4		\	<u>Objective</u>						
		derstand the n			•		.i.4i.a.	- f av sat a sa			
		olore the syste				enaractei	ristics	or systen	n		
		oly the databa				hitecture	e netwo	nrks			
		imate the fund						JIKS			
, , , ,	0 000					1 5 5 5 5 5 5 1 1 1					
UNIT				Deta	ils				Pe	No. of riods for he Unit	
I	an – r in	Management information system: meaning – features – requisites of an effective MIS – MIS Model – components – subsystems of an MIS role and importance – corporate planning for MIS – growth of MIS an organization – centralization vs decentralization of MIS. Support Limitations of MIS.									
II	typ	stem concepts bes of system velopment life	m – cate	gories of	f informati			•		15	
III	pro	Formation sy ocessing systemstem.				-				15	
IV		tabase mana			conceptual	present	tation	client	-	15	
V	ma	nctional manarketing – ptsourcing.	-		•			_		15	
Cours Outcon				Co	ourse Ou	tcome					
CO1		Paraphrase t	he characte	eristics of	Manageme	nt inform	nation	system			
CO2		Describe the	elements	and charac	cteristics of	system					
CO3		Enumerate t					busine	SS			
CO4		Explain the									
CO5		Elaborate the	e functiona	al manage	ment inform	nation sy	stem i	n financi	ial,		
		accounting,									
T		1 7 7 .			Latest Edit			. • =			
		don B. Davis					t Infor	mation S	yster	ns, Mc	
		w Hill Internat					ET I	formatia	n C	otoma Ear	
		er G . Mudricl lern Manager							•		
		Modern Management, 33Rd Edition, 1992, Prentice Hall Of India (P) Ltd., Eastern Economy Edition.									
		me Kanter Ma		Informati	on Systems	s. 3 Edit	ion . 10	990 . Pre	entice	Hall Of	
1		a Ltd. ,Easterr	_		J 500 mis	, J Lan	, 1.				

	Reference Book
1	James A. O'Brien, Management information systems, McGraw Hill, 2002
2	Bagchi Nirmalya, Management Information systems, Vikas Publications, 2010
3	Indrajit Chattarjee, Management information systems, PHI Learning, 2010
	Web Resources
1.	https://www.google.co.in/books/edition/Management_Information_Systems/RTZDDAA AQBAJ?hl=en&gbpv=1&dq=management%20information%20system&pg=PR4&prints ec=frontcover
2	https://www.google.co.in/books/edition/MANAGEMENT_INFORMATION_SYSTEM S/DOi2meoOKWsC?hl=en
3.	https://www.google.co.in/books/edition/Management_Information_Systems_Manageria/ZaNDDAAAQBAJ?hl=en&gbpv=1&dq=management%20information%20system&pg=PP1&printsec=frontcover

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	3	2	3	3	3	2	2
CO 2	3	2	2	2	2	2	2	2	3	2	3
CO 3	3	3	2	2	3	2	3	3	3	2	2
CO 4	3	2	2	2	2	2	2	2	2	2	2
CO 5	3	3	3	2	3	2	3	3	3	2	3
TOTAL	15	12	12	10	13	10	13	13	14	10	12
AVERAGE	3	2.4	2.4	2	2.6	2	2.6	2.6	2.8	2	2.4

S-Strong M-Medium L-Low

Title of the	e Course	COMPUTER GRAPHICS AND ANIMATION									
PART		III									
Catagowy	EC - 8.1	Year	III	Credits	3	C	ourse	222202707			
Category	EC - 6.1	Semeste	r VI	Credits	3	C	ode	e 233203606			
Instruction per week	nal Hours	Lecture	Tutorial	Lab Practice	Total	CIA	Extern	nal	Total		
per week		5	5 5 25 75						100		
		•	Learning	g Objective	es						
∠ To υ	understand the a	pplication	s of comp	uter graphic	es						
	nalyze the scan	conversio	n								

- To analyze the scan conversion

UNIT	Details	No. of Periods for the Unit
I	Introduction to Computer Graphics: Overview of Computer Graphics, Computer Graphics Application and Software, Description of some graphics devices, Input Devices for Operator Interaction, Active and Passive Graphics Devices, Display Technologies, Storage Tube Graphics Displays, Calligraphic Refresh Graphics Displays, Raster Refresh (Raster-Scan) Graphics Displays, Cathode Ray Tube Basics, Color CRT Raster Scan Basics, Video Basics, The Video Controller, Random-Scan Display Processor, LCD displays.	15
п	Scan conversion: Digital Differential Analyzer (DDA) algorithm, Bresenhams' Line drawing algorithm. Bresenhams' method of Circle drawing, Midpoint Circle Algorithm, Midpoint Ellipse Algorithm, Mid-point criteria, Problems of Aliasing, end-point ordering and clipping lines, Scan Converting Circles, Clipping Lines algorithms—Cyrus-Beck, Cohen-Sutherland and Liang-Barsky, Clipping Polygons, problem with multiple components.	15
Ш	Two-Dimensional Transformations: Transformations and Matrices, Transformation Conventions, 2D Transformations, Homogeneous Coordinates and Matrix Representation of 2D Transformations, Translations and Homogeneous Coordinates, Rotation, Reflection, Scaling, Combined Transformation, Transformation of Points, Transformation of The Unit Square, Solid Body Transformations, Rotation About an Arbitrary Point, Reflection through an Arbitrary Line, A Geometric Interpretation of Homogeneous Coordinates, The Window-to-Viewport Transformations.	15
IV	Three-Dimensional Transformations: Three-Dimensional Scaling, Three-Dimensional Shearing, Three-Dimensional Rotation, Three-Dimensional Reflection, Three-Dimensional Translation, Multiple Transformation, Rotation about an Arbitrary Axis in Space, Reflection through an Arbitrary Plane, Matrix Representation of 3D Transformations, Composition of 3D Transformations, Affine and Perspective Geometry, Perspective Transformations, Techniques for Generating Perspective Views, Vanishing Points, the Perspective Geometry and camera models, Orthographic Projections, Axonometric Projections, Oblique Projections, View volumes for projections.	15

V	Computer Animation: Principles of Animation, Key framing, Deformations, Character Animation, Physics-Based Animation, Procedural Techniques, Groups of Objects. Image Manipulation and Storage: What is an Image? Digital image file formats, Image compression standard – JPEG, Image Processing - Digital image enhancement, contrast stretching, Histogram Equalization, smoothing and median Filtering.											
	THEORY 20% & PROBLEMS 80%											
	urse comes	Course Outcome										
C	01	Describe the application of computer graphics										
C	O2	Analyse the digital transfer analyzer										
C	03	Applications of two dimensional transformation										
C	O4	Implementation of three dimensional transformation										
C	CO5 List our the principles of the computer animation											
	Text Books (Latest Editions)											
1.	Con	nputer Graphics, Donald Hearn and M. Pauline Baker, Prentice Hall o	f India.									
2.	Stev	en Harrington, computer graphics, Mc-Graw Hill										
3.		Foley, A Van Dam, S. K. Feiner and R. L. Phillips, Computer Graphi Practice, Addision Wesley	ics Principles									
		Reference Book										
1		am M. Newman, Robert F. Sproull, Principles of Interactive Computer McGraw-Hill.	Graphics,									
2		oley, A. Van Dam, S. K. Feiner, J.F. Hughes and R.L. Phillips, Introduter Graphics, Addision Wesley.	uction to									
3	Malay	K Pakhira, Computer graphics, multimedia and animation, PHI Lear	ning									
		Web Resources										
1.	_	//www.google.co.in/books/edition/Computer_Graphics_Multimedia_a N4IzBAoC?hl=en&gbpv=1&dq=computer%20graphics%20and%20a										
	_	1N412BAOC /m=en&gopv=1&dq=computer% 20graphics% 20and% 20a 2&printsec=frontcover	аншанопор									
2	https:/	//www.google.co.in/books/edition/Computer_Graphics_Animation/-										
2		ItLbekC?hl=en&gbpv=0&bsq=computer%20graphics%20and%20ani										
3.		//www.google.co.in/books/edition/Computer_Graphics_Animation/sx AACAAJ?hl=en	-									
	1410/01	11 10 1 11 11 11 11 11 11 11 11 11 11 11										

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	2	3	2	3	2	3	2	2
CO 2	3	2	3	2	2	2	2	2	3	2	3
CO 3	3	3	3	2	3	2	3	2	3	2	2
CO 4	3	2	3	2	2	2	2	2	3	2	2
CO 5	3	3	3	2	3	2	3	2	3	2	3
TOTAL	15	12	15	10	13	10	13	10	15	10	12
AVERAGE	3	2.4	3	2	2.6	2	2.6	2	3	2	2.4

S-Strong M-Medium L-Low

Title of th	e Course	TECHNO	OLOGY	MANAGE	MENT					
PART		III								
Category	EC - 8.2	Year Semester	III · VI	Credits	3	Course Code		233203607		
Instructio per week	nal Hours	Lecture	Tutorial	Lab Practice	Total	CIA	Extern	al Total		
Per ween		5	-		5	25	75	100		
				g Objective						
	understand the c									
	analyze the com									
	gain knowledge			torecasting	7					
	explore the techi									
Æ To :	identify the tech	nology stra	itegy							
UNIT	Details No Perior the									
I	Introduction to technology management: Concept and meaning of technology, Evolution and growth of technology, role and significance of management of technology, Impact of technology on society and business, Forms of technology: process technology and product									
II	Competitive advantages through new technologies: product development – from scientific breakthrough to marketable product – Role of Government in Technology Development. Linkage between technology, development and competition, Managing research and development (R&D), Managing Intellectual Property									
III	Technological Growth Curves, Morphological A	Technolog	gy Monito	oring, Norn	native: R		-			

Cour	se	Course Outcome								
Outcor	nes	Course Outcome								
CO	1	Describe the significance of technology management								
CO2	2	Enumerate the role of government in technology development								
CO	3	Explain the methods of technological forecasting and monitoring								
CO ₂	1	Elaborate the technology assessment and acquisition.								
COS	5	Discus the principles of technology strategy								
	Text Books (Latest Editions)									
1.	. Strategic Technology Management - Betz. F McGraw-Hill.									
2.	Man	Management of Technology - Tarek Khalli -, McGraw-Hill.								

Managing Technology and Innovation for Competitive Advantage - V K Narayanan -

Technology

Leadership and Follower ship, Technology Acquisition. Meaning of

Technology strategy: concept, types, key principles, framework for formulating technology strategy, Technology forecasting: techniques and application-. Technology diffusion and absorption: Rate of

Diffusion; Innovation Time and Innovation Cost, Speed of Diffusion. Project management in adoption and implementation of new

Choice,

Technological

15

15

Pearson Education Asia

Management of Technology - Tarek Khalli -, McGraw-Hill.

Technology

technologies

IV

V

4.

Assessment:

Innovation and creativity, innovation management

	Reference Book							
1	Handbook Of Technology Management - Gaynor - Mcgraw Hill							
2	Management Of New Technologies For Global Competitiveness — Christian N Madu - Jaico Publishing House							
3	Management Of New Technologies For Global Competitiveness — Christian N Madu - Jaico Publishing House							
4	Strategic Management of Technology & Innovation - Burgelman, R.A., M.A. Madique, and S.C. Wheelwright Irwin							
	Web Resources							
1.	https://www.google.co.in/books/edition/Technology_Management/p5CwzgEACAAJ?hl =en							
2	https://www.google.co.in/books/edition/Technology_Management_and_Systems_of_Inn/CY32XXw9floC?hl=en&gbpv=1&pg=PP1&printsec=frontcover							
3.	https://www.google.co.in/books/edition/A_Textbook_of_Technology_Management/8Yp S8B1cD7oC?hl=en&gbpv=1&dq=technology%20management&pg=PP1&printsec=front cover							

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO1	PSO2	PSO3
CO 1	3	2	3	3	3	2	3	3	3	2	2
CO 2	3	2	3	3	2	2	2	2	3	2	3
CO 3	3	3	3	3	3	2	3	3	3	2	2
CO 4	3	2	3	3	2	2	2	2	3	2	2
CO 5	3	3	3	3	3	2	3	3	3	2	3
TOTAL	15	12	15	15	13	10	13	13	15	10	12
AVERAGE	3	2.4	3	3	2.6	2	2.6	2.6	3	2	2.4

S-Strong M-Medium L-Low

Title of the	e Course	GENERAL AWARENESS FOR COMPETITIVE EXAMINATIONS										
PART		IV	IV									
	Professional	Year	III				ourse	234403632				
Category	competency SEC	Semeste	r VI	Credits	2	Co	ode					
Instructional Hours per week		Lecture	Tutorial	Lab Practice	Total	CIA	Extern	nal	Total			
		4	-		4	25	5 75		100			
		·	Lagunina	. Objective		·			·			

Learning Objectives

- To create the opportunity for learning across different disciplines and builds experience for students as they grow into lifelong learners.

UNIT	Details	No. of Periods for the Unit
I	Indian Polity Basics concepts- Three organs of Indian government (Executives, Legislature, Judiciary), Introduction to Indian Constitution – Salient features of constitution, Preamble, Fundamental rights, Fundamental duties, Directive Principles of State policy, Types of Majority, Amendments to the Constitution, Basic structure Doctrine, Division of subjects between the union and the states local Governance, Elections in India and Election Commission, CAG.	15
Ш	Geography Major oceans of the world –Important Canals – Gulfs – Straits and passes – Indian Rivers and its Tributaries – Climatology – Atmosphere, Wind systems, Clouds systems, World climatic classification – Indian climate – Indian Monsoon – Indian's physical features, Indian Soil types and Distribution – Importance Trade routes and projects, Indian naturals vegetation – Indian agriculture- Major crops and its distribution, Indian Industries and its Distribution.	15
III	Economy National Income – Inflation – Money and Banking - Agriculture in India – Union Budget – Planning in India – Poverty – Unemployment – Inclusive Development and Development issues – Industrial polices – Financial Markets.	15
IV	History Modern India – formation of Indian National Congress – Morley Minto Reforms, Revolutionary activities – World War I and India's Response – Home Rule league – Montague Chelmsford reforms – Rowlatt Act – Non –Cooperation Movement – Simon commission and Nehru Report – Civil Disobedience Movement and Round Table conferences – Quit India Movement and Demand for Pakistan – Cabinet Mission – Formation of Constituents Assembly and partition of India.	15
V	Environment and Ecology Basic concepts – Ecology, Biodiversity- Food chain and food web – Bio Geo Chemical Cycles – International Bio Diversity organisations- International Conventions – Conferences and Protocol – Indian Environmental laws and Environment Related organisation	15

Cou		Course Outcome								
Outco	omes	On completion of this course, students will								
CO)1	Develop board knowledge of the different components in polity								
CO)2	Understand the Geographical features across countries and in India								
CO)3	Acquire knowledge on the aspects of Indian Economy								
CO)4	Understand the significance of India's Freedom Struggle								
CO)5	Gain knowledge on Ecology and Environment								
		Text Books (Latest Editions)								
1.	Class	s XI and XII NCERT Geography								
2.	2. History – Old NCERT'S Class XI and XII									
		Reference Book								
1	M. Laz	ximikanth (2019) , Indian polity, McGraw- Hill								
2	Rames	sh Singh (2022), Indian Economy, McGraw - Hill								
3	G.C L	eong, Physical and Human Geography, Oxford University Press								
4	MajidI	Hussain- India Map Entries in Geography, GK Publications Pvt, Ltd.								
	Web Resources									
1.	1. https://www.freebookkeepingaccounting.com/using-excel-in-accounts									
2	https://	/courses.corporatefinanceinstitute.com/courses/free-excel-crash-course-for-finance								
3.	https://	/www.youtube.com/watch?v=Nv_Nnw01FaU								

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	2	3	3
CO 3	3	2	2	2	3	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	3	3
TOTAL	15	14	14	14	15	14	15	15
AVERAGE	3.0	2.8	3.0	2.8	3.0	2.8	3.0	3.0

S-Strong M-Medium L-Low