

Sri Meenakshi Government Arts College for Women
(An Autonomous institution Affiliated to Madurai Kamaraj University)
Re-Accredited with '8++' Grade by NAAC (4th Cycle)
Madurai - 625 002.



			UG COURSE OUTCOMES			
S.NO	Programme Code	Programme Name	Course Code	Course Name	UG Course Outcomes	
			U221A1 U22CT1	Ikkalak kavithaiyum sirikadhaiyum kavithai ilakkiyamum urainadaiyum		
			U22CT2	punaikkadhai ilakkiyamum		
		U22ATT1	naadagamum naattuppuraviyal			
			U22ATT2 U22AE1	sutrulaviyal vilumiyakkalvi		
			U221A2	samaya ilakkiyamum sitrilakkiyamum		
			U22CT3 U22CT4	needhi ilakkiyam nannool-eluththu		
			U22ATT3	thamilaga varalaarum panbaadum		
			U221A3 U22CT5	kaappiyamum naadagamum		
			U22ATT4	nannool-sol idhaliyal		
			U22DST1A	koyirkalaigal		
			U22DST1B U22SET1	kalvettiyal aalumaiththiran		
			U22NMT1A	valartamil I		
			U22NMT1B	adippadaiththamil I (tamil payilaadha maanaviyaruku mattum)		
			U221A4 U22CT6	sanga ilakkiyamum Ara ilakkiyamum bakthi ilakkiyam		
1	ULTA	B.A. Tamil	U22CT7	porul ilakkanam	https://drive.google.com/file/d/1qnkLV3212ZTB7ePK647OgNEVff2wur_J/view?usp=sharing	
			U22CT8 U22DST2A	oppilakkiya nerimuraigal thagaval thodarbukkalai		
			U22DST2B	thagavai thodarbukkalai thiraippadakkalai		
			U22SET2	kaninith tamil		
			U22NMT2A U22NMT2B	valartamil II adippadaiththamil II (tamil payilaadha		
			U22NMT2B U22CT9	maanaviyaruku mattum) kaappiyangal		
			U22CT10	ikkaalath tamil		
			U22CT11 U22CT12	sitrilakkiyam		
			U22DST3A	yaappum aniyum vilambarakkalai		
			U22DST3B	tamil moli varalaaru		
			U23GET1A U23GET1B	panivaaippuththamil aatchith tamil		
			U22SET3	pechukkalai Bardaina ilabbiana		
			U22CT13 U22CT14	Pandaiya ilakkiyam ilakkiyath thiranaaivu		
			U22CT15	padaippilakkiyam		
			U22CT16 U22CT17	Tamil ilakkiya varalaaru Tamilar nunkalaigal		
			U222A1	Part I English	UNIT 1 CO1: understand cultural difference, identify rhyme schemes, appreciate poetry and develop listening and reading skills UNIT 2 CO2 distinguish varied prose styles, connect ideas to evolve as a matured citizen and acquire argumentative skills UNIT 3 CO3: enjoy literature and gain writing skills UNIT 4 CO4: identify noun, veth, adjective, use present Tense in different occasions UNIT 4 CO4: identify noun, veth, adjective, use present Tense in different occasions	
			U22CV1	Chaucer and the Elizabethan Age	UNIT 1 CO1: enjoy poetic beauty through literary devices. UNIT 2 CO2: comprehend the development of English poetry and locate the particular poem in its historical and social context. UNIT 3 CO3: understand the aspects of the essay -its elements, kinds, structure and the nuances of language. UNIT 4 CO4: grays the plot, character, dialogue, theme, structure and dramatic techniques. UNIT 3 CO3: analyze and appreciate the innovative novelosite techniques employed in fiction	
			U22CV2	Modern Grammer and Usage	UNIT I CO1: foster a strong theoretical understanding of Modern grammar. UNIT 2-CO2: acquire proficiency in different forms of expressions. UNIT 3-CO3: attempt creative writing skills. UNIT 4-CO4: express ideas with clarity and brevity .	
			U22AVV1	Social History of England	UNIT 5-COS: distinguish between appropriate and inappropriate grammar and usages. UNIT I COI: unesteand their historical and cultural contexts that happened. UNIT 2 CO2: analyze the dynamic changes during the Colonial era. UNIT 3 CO3: Perceive the impact of various revolutions. UNIT 4 CO4: how the various impacts on Britain due to changes that happened outside England.	
			U222A2	Part II English	UNIT 5 COS: discuss the consequences of World Wars over England. UNIT I COI: understand cultural difference, identify fryms exhemes, appreciate poetry and develop listening and reading skills UNIT 2 CO2: distinguish varied prose styles, connect ideas to evolve as a matured citizen and acquire argumentative skills UNIT 3 CO3: enjoy literature and gain writing skills UNIT 4 CO3: distriptive and gain writing skills UNIT 4 CO4: destriptive "ing" from, upsal Terms In different occasions	
			U22CV3	Milton and the Neo-Classical Age	UNIT 5 COS: increase vocabulary strength, coin new words, use different prefixes and suffixes. UNIT 1 CO1: appreciate a poem aesthetically and respond to its themes and Perspectives UNIT 2 CO2: identify personal experiences that can be used when writing/brems. 2 15 UNIT 3 CO3: take cognizance of the historical, social and cultural contexts and make connections between literature and society, 3 20 UNIT 3 CO3: interpret the thematic and sylvatic elements along with social relevance and timeless appeal of the plays 4 20 UNIT 4 CO4: interpret the thematic and sylvatic elements along with social relevance and timeless appeal of the plays 4 20	
			U22CV4	Romantic Age	UNIT 5 CO5: develop the ability and interest to read fiction on their own. UNIT I CO1: distinguish poetry from the other literary art forms. UNIT 2 CO2: appreciate the language of poetry with regard to its words And meaning and develop the ability to write poems on their own. UNIT 3 CO3: examine the nannees of prose texts by interpreting the themes. UNIT 4 CO4: familiarise the students with dramatic devices and theatricality	
			U22AVV2	Literary forms	UNIT 5 COS: understand the development of novels as a literary genre. UNIT 1 COI: become familiar with the different poetic forms UNIT 2 CO2: understand the evolution of various schools and movements UNIT 3 CO3: comprehend the dramatic types UNIT 4 CO4: distinguish the different types of dramatic devices UNIT 5 CO5: understand the Features of essay, Biography, Autohography and Criticism	
			U222A3	Part III English	UNIT 1 CO1 understand the cultural difference, identify thyme schemes, appreciate poetry and develop listening and reading skills UNIT 2 CO2: distinguish varied prose styles, connect ideas to evolve as a mutured citizen and acquire argumentative skills UNIT 3 CO3: ompare and contrast the gener with other non-dramatic forms of literature UNIT 4 CO4: understand the difference between past, present and future tenses and convert direct speech into indirect speech UNIT 4 CO4: understand the difference between past, present and future tenses and convert direct speech into indirect speech UNIT 5 CO5: distinguish the manness of formal and informal writingStyles	
			U22CV5	Victorian Age	UNIT 1 CO1: 1, gain a sense of interpretation and appreciation of the selected texts from the genre of poetry 2. identify poetic devices and strategies and interpret their effective use UNIT 2-CO2 make them appreciate poetry by critically analyzing the poem in terms of content, background, etc. UNIT 3-CO3 enable students to appreciate modern prose for its writing style and as a vehicle of ideas UNIT 4-CO4: gain an existential understanding of drama in connection to social reality in terms of themes and characters	
			U22AVV3	History of English Literature	UNIT 5-COS: encourage discussions on the forms of fiction, experiments in form and current theories on narratology UNIT I CO1: understand the history and evolution of English Literature through the works of Chaucer, Sperseer, Shakespeare, Marlowe, Jonoson and Domo UNIT 2 CO2: understand the cultural heritage of the English literary works of Milton, Dryden, Butler and John Bunyan II UNIT 3 CO3: appreciate the social and literary background of the age of Milton and Dryden III UNIT 4 CO4: know the historical movements that influenced the transformation of the literary tastes and standards IV UNIT 5 CO5; et a clear and systemic understanding of the national changes and developments that influenced British Literature	
			U22DSVIA	Indian Writing in English	UNIT- I: CO 1: Recall the early poets in Indian Writing in English And define the essence of their perspectives on nation, nostalgia, spiritualism and writing UNIT-II: CO 2: Recognize the important issues discussed in the texts and explain them. UNIT-III: CO 3: Interpret the texts in their social and cultural contexts and understand their importance. UNIT-IV: CO 4: Distinguish the components of drama in comparison with other literary genres and experiment on enacting the text. UNIT- V: CO 5: Investigate the arguments in a text, evaluate them and produce new perspectives in writing and articulating.	
					UNIT + V: CO 5: Investigate the arguments in a text, evaluate them and produce new perspectives in writing and articulating. UNIT 1 CO1: appreciate and understand the forms and style of poetry and the major poets during the Spenserian Period	

			U22DSV1B	Poetry	UNIT 2 CO2: understand the uniqueness of sonnet forms UNIT 3 CO3: develop skills to read, understand and appreciate literary text of minor writers.
					UNIT 4 CO4: imbibe knowledge over the mock elements, poetic techniques and socio-critical ideologies of the particular age. UNIT 5 CO5: The students are encouraged to analyze the poem critically
					UNIT 1 CO1: understand the nature of communication
			U22SEV1	Communication for Career-I	UNIT 2 CO2: comprehend the process and etiquettes of communication UNIT 3 CO3:listen and communicate efficiently
					UNIT 4 CO4; exhibit social skills UNIT 5 CO5; write error free basic sentences
					UNIT 1 CO1: understand the nature of communication
			U22NMV1	Communication for Career-I	UNIT 2 CO2: comprehend the process and etiquettes of communication UNIT 3 CO3:listen and communicate efficiently
					UNIT 4 CO4: exhibit social skills
					UNIT 5 CO5: write error free basic sentences UNIT 1 CO1: understand cultural difference, identify rhyme schemes, appreciate poetry and develop listening and reading skills
			U222A4	Part IV English	UNIT 2 CO2: distinguish varied prose styles, connect ideas to evolve as a matured citizen and acquire argumentative skills 2 20 UNIT 3 CO3: analyze the elements of the novel 3 15
					UNIT 4 CO4: execute the presentation and interview skills in academic and work places 4 20
					UNIT 5 CO5: discuss and converse in the target language UNIT 1 CO1: analyze the effects of socio-cultural changes in the poetry of the century, the aftermath of war and new forms of expression.
					UNIT 2 CO2: comprehend new voices in literature and express their appreciation by writing critical essays UNIT 3 CO3: understand the major literary and social changes that characterize the modern age and observe the form and style in modern prose.
			U22CV6	Twentieth Century Literature	UNIT 4 CO4: internalize the importance of language as a tool of communication, the feminist subtext and the class divisions in the English
					UNIT 5 CO5: comprehend the emergence of new trends in fiction like science fiction.
					UNIT 1 CO1: identify the subjects of early American poetry and the distinctive features of early American poets. UNIT 2 CO2: appreciate the craftsmanship of later American poets.
			U22CV7	American Literature	UNIT 3 CO3: comprehend the theoretical approaches of American writers. UNIT 4 CO4: examine the significance of American Drama as a true reflection of the period.
					UNIT 5 CO5: relish the greatness of American Novel as a document of the great American tradition
					UNIT 1 CO1: create a thorough knowledge about the origin of speech sounds UNIT 2 CO2: understand the origin of speech sounds
			U22AVV4	Introduction to Phonetics	UNIT 3 CO3: helps in pronunciation UNIT 4 CO4: knowledge on phoneme and pronunciation
					UNIT 5 CO5: improves word pronunciation
					UNIT- I: CO 1:- Makes them Knowledgeable about the history and context of Children's literary texts UNIT-II: CO 2:- Comprehends the thematic, didactic and entertaining elements present in Children's literature. II 9
2	ULEN	B.A. English	U22DSV2A	Children's Literature	UNIT-III: CO 3:-Relates with the reception of the literary texts and analyzes the literary devices used by the writers III 9
_		g			UNIT-IV: CO 4: Explores a variety of children's literature through different genres. UNIT- V: CO 5:- Demonstrate skills in reading and interpreting multiple dimensions of children's literary texts, particularly the verbal, the
					pictorial, and the physical, or material. UNIT 1 CO1: Understand the literary and narrative aspects of the work.
			U22DSV2B	Fiction	UNIT 2 CO2: appreciate and understand the eighteenth century VictorianNovel UNIT 3 CO3: develop skills read, understand and appreciate the historical aspects of the novel.
			02203720	T KUON	UNIT 4 CO4: imbibe knowledge over the narrative techniques and character Analysis, develop acting skills through demonstrations.
					UNIT 5 CO5: enrich with the skills of reading through the novel. UNIT 1 CO1: differentiate hard skills and soft skills
			U22SEV2	Communication for Career-II	UNIT 2 CO2: comprehend the importance of soft skills UNIT 3 CO3: develop leadership skills
					UNIT 4 CO4: acquire proficiency in English
					UNIT 5 CO5: participate in group discussions UNIT 1 CO1: differentiate hard skills and soft skills
			U22NMV2	Communication for Career-II	UNIT 2 CO2: comprehend the importance of soft skills UNIT 3 CO3: develop leadership skills
					UNIT 4 CO4: acquire proficiency in English
					UNIT 5 CO5: participate in group discussions UNIT 1 CO1: understand the origin of classical, critical tradition of Greece
			U22CV8	Introduction to Literature Criticism	UNIT 2 CO2: acquire the knowledge of the impact of classical, critical tradition on English critical tradition and study its origin in England UNIT 3 CO3: understand the perspectival changes in the later critics
					UNIT 4 CO4: examine the paradigm shift in the contemporary critical premise UNIT 5 CO5: acquire knowledge of major critical approaches and its application to the text
					UNIT 1 CO1: Analyze the effects of socio-cultural changes in the poetry of the century, the aftermath of war and new forms of expression.
			U22CV9	Contemporary British Literature	UNIT 2 CO2: comprehend new voices in literature and express their appreciation by writing critical essays UNIT 3 CO3: understand the major literary and social changes that characterize the modern age and observe the form and style in modern prose.
					UNIT 4 CO4: internalize the importance of language as a tool of communication, the sub-text and the class divisions in the English society. UNIT 5 CO5: comprehend the emergence of new trends in fiction like science fiction.
					UNIT 1 CO1: understand, appreciate and evaluate fundamental elements of poetry and its types, dance rituals, ancestor ceremonies, music in black folktales.
			U22CV10	African American Literature	UNIT 2 CO2: assess, to understand and to analyze the forms of poetry and its themes of slavery and slave narratives.
					UNIT 3 CO3: develop higher understanding of African drama, the importance of dramatical elements UNIT 4 CO4: to comprehend the essence of African narrative skills, various themes and characterization through Fiction
					UNIT 5 CO5: discuss the essentials of short stories and analyze African culture UNIT 1 CO1: appreciate how women writers were instigated to create new histories through writing poetry.
					UNIT 2-CO2: map the broad contours of the theoretical field in which feminist narratives are located UNIT 3-CO3: locate women's writing in historical and ideological contexts of the women's movement in general and feminist thought in
			U22CV11	Women Writers	particular
					UNIT 4-CO4: integrate women's writing with feminist perspective through short stories UNIT 5-CO5: develop a cross cultural perception on women's writing and feminist theory
					UNIT 1 CO1: compare and contrast different modes of aesthetic expression in classical poetic tradition UNIT 2 CO2: comprehend and interpret the classical prose texts
			U22CV12	Classical Literature in Translation	UNIT 3 CO3: appreciate and analyze the genre of drama UNIT 4 CO4: perceive the different philosophical notions of absurdity
					UNIT 5 CO5: investigates how the art form voiced the unheard melody of the age
					UNIT 1 CO1: understand the methods of presentation UNIT 2 CO2: prepare plans for presentation
			U22GEV1A	Presentation Skills	UNIT 3 CO3: use visual aids UNIT 4 CO4: differentiate the methods of presentation
					UNIT 5 CO5: make an effective presentation
					UNIT 1 CO1: understand the importance of non- verbal communication UNIT 2 CO2: perceive the different types of interviews
			U22GEV1B	Interview Techniques	UNIT 3 CO3: prepares to respond the question process UNIT 4 CO4: stimulate the reflective thinking and instill leadership qualities
					UNIT 5 CO5: learn to exchange and share ideas effecti
					UNIT 1 CO1: understand the importance of improving communicative skill UNIT 2 CO2: assess the potentials of verbal and non – verbal communication
			U22SEV3	Basics of Professional Communication	UNIT 3 CO3: learn the importance of E-communication UNIT 4 CO4: identify the different kinds of technical writing and draft them without any error
					UNIT 5 COS: draft a successful resume' and acquire Interview skills UNIT 1 COS: comprehend the nature of the dramatic genres in which Shakespeare wrote, including comedy, romance, tragedy, and history, life
					of Shakespeare and characteristic features of his plays
			U22CV13	Shakespeare	UNIT 2 CO2: analyze the thoughts of a tragic hero by giving a deep reading. Understand the components of a tragedy and appreciate the philosophic vision of Shakespeare.
			0220110	Onnespeare	UNIT 3 CO3: discover the flavor, style, forms, artistic features and the role of the fools in Shakespeare's comedies. UNIT 4 CO4: understand the primary theme of the work by investigating the textual background, study the play of Shakespeare in its historical
					context. UNIT 5 CO5: comprehend the elements of a tragicomedy and appreciate Shakespeare's plot construction.
					UNIT- I: CO 1:- paves way for comprehending the poetic substance present in the poems belonging to different nationalities and comprehending the aesthetics of poetry.
			U22CV14	New Literature in English	UNIT-II: CO 2 Categorize concerns thematically pertaining to New Literatures in English and relate them sociologically. UNIT-III: CO 3 facilitates comparison of the characteristic features specific to the dramatic trends that reflect the new literary scenario
					UNIT-IV: CO 4:-helps to explore various themes, subjects and trends used in modern fiction.
					UNIT- V: CO 5:-helps to learn the realistic sense, flexibility and themes in modern short fiction. UNIT 1 CO1: understand the connection between Language and the way of life, the emphasis on the cultural aspects of Translation
			U22CV15	Translation: Theory and Practice	UNIT 2 CO2: understand the Problems in Translation and the Cultural and Linguistic Approaches to Translation UNIT 3 CO3: understand the valuable position Translation holds within Literature and Society starting from the Romans
				and the territory and tractice	UNIT 4 CO4: understand the status of translation studies from the seventeenth century to the present age.
					UNIT 5 CO5: know the difficulties in translating prose, poetry and dramatic texts. UNIT 1 CO1: distinguish poetry from the other literary art forms and provide one of the most creative potential tools of Diasporie philosophy
				n	and love UNIT 2 CO2: examine the nuances of prose texts by interpreting the themes of diaspora.
			U22CV16	Diasporic Literature	UNIT 3 CO3: UNIT 4 CO4: To familiarise the students with the literary trends of Drama in diasporic literature
					UNIT 5 CO5: understand the development of novel as a literary genre in diaspora

			U22CV17	Tamil literature in translation	UNIT 1 CO1:Identify the themes in early Tamil poetry UNIT 2 CO2: Associate themes in modern Tamil poetry with its earlier themes. UNIT 3 CO3: Interpret the text in its historical background and infer the multiple layers of drama through enacting and translation. UNIT 4 CO4: Distinguish novels as a literary genre and deduce the importance of protecting our environment.
			U22DSV3A	English Literature for Competitive	UNIT 3 CO3. Argue the thematic and stylistic features of short stories and create critical reviews. UNIT 1 CO1. develop their knowledge about age, movements, literary forms and writers UNIT 2 CO2 enrich their understanding on the ages and prepare themselves to face competitive exams and interviews UNIT 3 CO3. get a complete understanding of the ages and apply their knowledge when they write exams and seek for jobs
					UNIT 4 CO4: face eligibility exams like NET, SET and the challenges outside UNIT 5 CO5: update their knowledge on modern writers and writing and work for sustainable development among the environmental threats UNIT 1 CO1: grasp the complex relationship between communication or media theories and a diverse set of individual, social and professional practices.
			U22DSV3B	Media Studies	UNIT 2 CO2: conceptualize, design, and produce one or more works in media based on effective principles of media aesthetics for a target audience. Generate the impact of media related publicity to the problems of the people and also analyze how the media helps in establishing the cultural values of the people. UNIT 3 CO3: and extend the philosophical assumptions of communication research methods to address a range of media texts and audiences, production and technological practices, and relevant social issues. UNIT 4 CO4: acquire the understanding of the importance of cooperation and teamwork. UNIT 5 CO3: cultivate a critical approach to the study of culture, explore the corresponding demands for rights and social justice, cultural
			U22CH1	History of India up to 600 A.D	diversity and socio- cultural change at the local, national and global level. UNIT ICO I: Recognize the glory of past through different sources and evaluates the authenticity of different sources UNIT II CO2: Describe the function of Drafting Committee UNIT III CO3: Acquirer the knowledge of the emergence of new religions and its circumstances UNIT IV CO4: Assess the political evolution of various dynasties UNIT VGO4: Assess the political evolution of various dynasties
			U22CH2	Indian Geography	UNIT I COI: Understand the Physical Geography of India and climate seasons of India UNITI CO2-Acquire the knowledge of Oceanography and classification of industries. UNITI CO3 Obtain the facts of soil, natural vegetation and conservation measure UNITI CO3-Analyze the Agriculture development in India and classification of industries UNITI CO4-Analyze the Agriculture development in India and classification of industries UNITI CO5-Entime the environmental issues and management
			U22AEH1	General Economics	UNIT1 CO1: Acquire the Knowledge of Ancient India UNIT2 CO2: Examine the Role of Muslims invasions in India UNIT3 CO3: Appraise the Role of Rajputs Administration in India UNIT4 CO3: Appraise the Role of Rajputs Administration in India UNIT4 CO3: Evaluate the South Indian Kingdoms Relations with chalukyas
			U22CH3	History of India from 600 to 1206A.D	UNIT 5 COS : Acquire the knowledge of Turkish and Muhammadinvasion in india UNIT GO1 : Acquire the Knowledge of Ancient India UNIT 2 CO2: Examine the Robo eldge of Ancient India UNIT 2 CO2: Examine the Robe of Muslims invasions in India UNIT 3 CO3: Appraise the Robe of Enginest Administration in India UNIT 4 CO4: Evaluate the South Indian Kingdoms Relations with chalukyas
			U22CH4	Public Administration	UNIT 5 CO5 : Acquire the knowledge of Turkish and Muhammadinvasion in india CO1: Discuss the concept, scope of Public Administration and Private Administration CO2: Evaluate the principle and theory of public administration CO3: Acquire the, Knowledge of the structure of the Public Administration CO4: Assess the role of public sector undertaking in India and private sector CO5: Examine the importance of field relation
			U22AEH2	Banking Theory, Practice & Insurance	CO1: Discuss the various elements of a State and different 1 ypes of CO2: Acquire the knowledge of the different types of Constitutions. CO3: Analyze the different forms of Government and Party system CO4: Describe the Saltent features of the Constitution of England and Parliament.
			NMC	Language for Employability	COS: Explain the Salient features of the Constitution of the U.S.A. Powers and Functions of President and Vice - President. COI: Discuss the various elements of a Salte and different I yes of Constitutions. CO2: Acquire the knowledge of the different types of Constitutions. CO3: Analyze the different forms of Covernment and Party system CO4: Describe the Salient features of the Constitution of England and Parlament.
			U22CH5	History of India from 1206 to 1707 A.D	COS: Explain the Salient features of the Constitution of the U.S.A.Powers and Functions of President and Vice - President. UNIT I COLD-Susses the background of the establishment of Delhi Sultanate in India. UNIT 2 COLD-Compare the relation between the Khaljis and Tuqluqu UNIT 2 COLD-Compare the relation between the Khaljis and Tuqluqu UNIT 4 COLD-Compare the relation between the Khaljis and Tuqluqu UNIT 4 COLD-Compare the position of Vijayanagar and Bahmani Kingdom in India UNIT 4 COLD-Compare the Position of Viganagar and Sultanate Cold-Compare the Properties of Maghalis
			U22АНН3	Modern Governments Paper-1 (History Students)	UNIT 5 COS : Understand the relation; between Minghals and Marathas COI : Discuss the various elements of a State and different I yes of CO2: Acquire the knowledge of the different types of Constitutions. CO3: Analyze the different forms of Government and Party system CO4: Describe the Salbent features of the Constitution of England and Parliament.
			U22DSH1A	HIstory of Europe from 1789 to 1914 A.D	COS: Explain the Salient features of the Constitution of the U.S. A, Powers and Functions of President and Vice - President. COI: Estimate the features of French Revolution causes and impact on the world COI: Estimate the features of French Revolution causes and impact on the world COI: Estimate the features of French Revolution areas and impact on the world COI: Analyze the Foreign policy of Napoleon III COI: Examine the Rise of Nationalism in Italy and Germany
			U22DSH1B	History of England up to 1603 A.D	COS - Assess the attitude of the major powers in the Eastern question UNITI COI: Uniternated the Fundamental features of Inlain Constitution UNITI 2 CO2: Describe the function of Drafting Committee UNITI 3 CO3: Acquirer the knowledge of Directive Principles, Fundamental rights and Fundamental Duties UNITI 4 CO4: Describe the structure of Parlament and its working
			U22SEH1	Skill Enhancement Course - Yoga and Meditation	UNIT 5 (O.5: Imbibe the knowledge of Various Amendments UNIT (ICO: Acquire the knowledge of basic terms of Yoga and its origin UNIT II CO: Assess the relationship between physical exercise and personality development UNIT III CO: Understand the various Methods of Yoga UNIT WOOL Appreciate the Contributions of Yogis to yoga
			U22NMH1	History for competitive examinations	UNIT VCOS: Gain the knowledge of different kinds of Mediation Techniques COI: Estimate the features of French Revolution causes and impact on the world CO2: Emphasize the importance of the age of Metternich and Revolutions of 1830 and 1848 CO3: Analyze the Foreign policy of Napoleon III CO4: Examine the Rise of Nationalism in Italy and Germany
			NMC	Digital skills for employability	COS - Assess the attitude of the major powers in the Eastern question UNIT ICO1 - Acquire the knowledge of basic terms of Yoga and its origin UNIT II CO2: Assess the relationship between physical exercise and personality development UNIT III CO3: Understand the various Methods of Yoga UNIT IVCO4 - Appreciate the Contributions of Yogis to yoga
			U22CH6	HIstory of India from 1707 A.D to 1858 A.D	UNIT VCOS: Gain the knowledge of different kinds of Mediation Echniques UNIT (COI: Sammarize the British unwaison and administration. UNIT I COI: Emmarize the British unwaison and administration. UNIT I COI: Examine the establishment of British Power in India and Various Acts. UNIT I COI: Examine the establishment of British Power in India and Various Acts. UNIT I COI: Assess the reforms and amexation policy of the British Administrators.
			U22CH7	World Wars from 1914 to 1945 A.D	UNIT I COS Compare the internal and external policy of the British power in India. UNITICO: Analyze the impact of World war I UNITICO: Describe the post war territorial settlements and rise of dictatorship UNITICO: Acquire the knowledge of world war II UNITICO: Acquire the knowledge of world war II UNITICO: Evaluate the role of UNO in peacemaking
			U22AHH4	Modern Government Paper - II (History Students)	UNITS COS: Obtain the knowledge of cold war and its impact UNITI COI: Know the salient features of Inflant Constitution and Fundamental Rights and duties UNIT 2 CO2: Acquire the knowledge of the Indiant Executive UNIT3 CO3: Idensteand the Parliamentary System of India UNIT3 CO3: Analyse the powers and functions of the judiciary of India
3	UHIE 1	B.A. History	U22DSH2A	Museology	UNIT 5 CO.5 Evaluate the State Administration UNIT 1 CO 1. Acquire the Knowledge of basic terms of Museology UNIT 2 CO2. Asses the classification of various Museums UNIT 3 CO2. Analyze the peculiar National Museums UNIT 3 CO3. Analyze the peculiar National Museums in india UNIT 4 CO4. Assesshe role of Central and State Government for the protection of musercus through the implementation of acts UNIT 5 CO5. General Section 5 Co5.
			U22DSH2B	Principles and Methods of Archaeology	UNIT 5 CO5: Gain the knowledge of legal procedures of maintaining museums CO1: Understand the fundamentals of Archaeology CO2: Explain the developments of Archaeology from 15th century to 20th century CO3: Access the different Scientific techniques associated with Archaeology CO4: Estimate the services of Eminent Archaeologists CO5: Update the information on Evolution of South Indian temple architecture
			U22SEH2	Skills Enhancement Course - Rular Development	THOUSANDOO OF EVOLUTION OF STORM HARBIT TEMPTE STERRICALITY
					UNIT 1 CO1: Understand the Fundamental features of Indian Constitution UNIT 2 CO2: Describe the function of Drafting Committee
			U22NMH2	NMEII - Constitution of India	UNIT 3 C03. Acquirer the knowledge of Directive Principles, Fundamental rights and Fundamental Duties UNIT 4 CO4: Discuss the structure of Parliament and its working

			UNIT 5 CO5: Imbibe the knowledge of Various Amendments UNIT I CO1: Assess the main features of the Socio-Religious Reform Movement
	U22CH8	History of Ladia forms 1959 to 1947 t D	UNIT II CO2: Highlight the Evolution of Indian National Congress and the Independence Movement UNIT IIICO3: Examine the importance of Gandhian Era
	0220116	instory of findia from 1636 to 1947 A.D	UNIT IVCO4: Evaluate the Civil Disobedience Movement and its impact
			UNIT VCO5: Write down the final phase of Indian National Movement UNIT I CO1: Interpret the sources of Tamil Country.
			UNIT I CO2:Understand the contribution of Pallavas to Economy, Art and Architecture.
	U22CH9	History of Tamilnadu up to 1565 A.D	UNIT I CO3:Analyse the Tamil society under different rules with special reference to administration. UNIT I CO4:Assess the Pandyan Empire
			UNIT I CO5:Examine the impact of Muslim Invasion
			COI: Assess the functions of Scientific Society and Academies C02: Evaluate the Scientific inventions of 9th Century
	U22CH10	History of Science and Technology	CO3: Analyse the impact of Two World Wars in the 20th Century CO4: Understand the Space Age
			C05: Acquire the knowledge of DRDO and Modern Indian Space Research
			UNIT 1 CO1: Define Human Rights and various theories of Human rights UNIT 2 CO2:Understand the works of United Nations role in protecting Human Rights and the role of other International organizations
	U22CH11	Studies in Human Rights	UNIT 3 CO3: Analyse the works of various regional organizations of Human Rights
			UNIT 4 CO4: Evaluate the role of National and State Human Rights Commissions in protecting Human rights. UNIT 5 CO5: Assess the contemporary issues of Human Rights such as Bonded labor Refugees and Minorities.
			UNIT 1 CO1:To understand what is History UNIT 2 CO2:To acquire knowledge on Sources of History
	U22CH12	Introduction to Historiography	UNIT 3 CO3:To understand the importance of Allied Subjects of History
			UNIT 4 CO4: To apply lessons of History in real life. UNIT 5 CO5: To evaluate the Historical writing
			UNIT 1 CO1: Acquirethe knowledge of basic terms of Epigraphy
	U22DSH3A	Epigraphy	UNIT 2 C02: Assess the origin and evolution of scripts UNIT 3 C03: Analyze the calculations of different eras throughout the history
			UNIT 4 C04 : Assess the classification of various inscriptions
			UNIT 5 CO5: Gain the knowledge of local inscriptions and scripts UNIT 1 CO 1:Acquire the knowledge of of Panchayat Raj
			UNIT 2 CO2:Discuss the Constitutional amendments and implementations UNIT 3 CO 3: Analyze Panchayat Raj system in Tamilnadu
	U22DSH3B	Panchayat Raj	UNIT 4 CO 4:Examine the financial set up in Panchayat Raj system
			UNIT 5 CO5: Acquire the knowledge the Panchayat Raj administration and schemes introduced and implemented by Governments
			UNIT 1 CO1: Understanding Journalism as a sense of responsibility to provide truth to the society
	U22GEH1A	Generic Elective Course - Journalism	UNIT 2 CO2: Classify the qualities of Journalist and it's codes and principles UNIT 3 CO3: To trace the growth of Journalism in India and Tamil nadu and its impact on society.
			UNIT 4 CO4: Describe the process of communication in advertisement.
	U22GEH1B	History of Europe from 1453 to 1789	UNIT 5 CO5 : Analyze the role of editor in the journalistic process.
	CZZGEIIIB	A.D	CO1 : Explain the Evolution and Classification of Computers
		Skill Enhancement Course -	CO2 : Possess the knowledge of basic hardware peripherals
	U22SEH3	Fundamental of Computer	CO3 : Communicate to using MS Office products CO4 : Identify the different categories of Softwares and Networks components.
			CO5 : Study to use the Internet and Multimedia safely, legally and responsibly
			UNIT 1 CO1: analyze the circumstances leads to Partition of India UNIT 2 CO2: appreciate the various role of the prime ministers of India
	U22CH13	Contemporary History of India from 1947 to 2000 A.D	UNIT 3 CO3: evaluate the pros and cons of India and her neighbors
			UNIT 4 CO4: Acquire the knowledge of economic development of India since Independence. UNIT 5 CO5: Examine the women welfare schemes and their empowerment
		History of Tamilnadu from 1565 to 1964 A.D	UNIT 1 CO1:Know the administration of Nayaks and Poligars
	U22CH14		UNIT 2 CO2:Gain the knowledge of the impact of Mysore and Carnatic wars UNIT 3 CO3:Understand the importance of socio-religious reform movements
	0220114		UNIT 4 CO4: Visualize the role of Tamil Nadu in freedom movement
			UNIT 5 CO5:Evaluate the growth of Tamil Nadu since Independence UNIT I CO1:To trace knowledge about the Sources and Physical features
	U22CH15	History of Madurai	UNIT II CO2: Identify the various Ancient Dynasties and Rulers
			UNIT III CO3:To acquire the knowledge of the Economy , Culture and Religion UNIT IV CO4: Evaluate the role of Madurai in the Indian Freedom Movement
			UNIT V CO5: Assess the Heritage and Historical important Monuments
	U22CH16	Woman's Studies Tourism Studies	UNIT I:CO 1: Understand the importance of women studies and theories of women studies UNIT II:CO 2: Explain the positions of women in Various Periods
			UNIT III: CO 3: Esteem the role of women in Freedom Movement UNIT IV: CO 4: Discuss the role of various movements in protecting the women
			UNIT V:CO 5: Acquire the knowledge of legal procedures on gender studies
			UNIT I: CO 1: Understand the importance of Tourism and development UNIT II: CO 2: Explain tourism promotion, marketing
	U22CH17		UNIT III: CO 3: Evaluate the Tourism and International trade
			UNIT IV: CO 4: Discuss the growth of tourism, Economic and social significance of Tourism UNIT V: CO 5: Acquire the knowledge of India and its Natural Heritage
	U22AE3	Ability Enhancement Course (General Knowledge)	
			CO1: Define the various concepts in Economics
	U22CE1	MICROECONOMICS I	CO2: Describe the various theories of consumer behaviour CO3: Understand the theoretical aspects of consumer equilibrium
	022021		CO4: Identify the factors of production and their efficiency
			CO5: Analyse the role and importance of capital formation CO1: Understand the types of data
	U22CE2	ECONOMIC STATISTICS I	CO2: Analyze the different techniques of presentation of data CO3: Understand the measures of central tendency
	UZZCEZ	aconomic statistics1	CO4: Acquire knowledge about the measures of dispersion
			CO5: Understand the measures of skewness CO1: Discuss the different types of cost.
			CO2: Describe the different market conditions and fixing price – output determination under it.
	U22CE3	MICROECONOMICSII	CO3: Analyse the importance of productivity in fixing factor price. CO4: Understand the theoretical aspects of rent and wage.
			CO5: Describe the theoretical aspects of interest and profit.
			CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge
	U22CE4	ECONOMIC STATISTICS II	CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index
	U22CE4	ECONOMIC STATISTICS II	CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge
	U22CE4	ECONOMIC STATISTICS II	CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Applying practical knowledge CO4: Analyse the trend of production and prices CO4: Analyse the trend of production and prices CO5: Interpret the association of attributes CO5: Interpret the association of attributes
	U22CE4	ECONOMIC STATISTICS II MONEY AND BANKING	CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO5: Stripper the association of arthritutes
			CO1: Finding feasible solutions between the variables CO2: Apphing practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO5: Integret the association of attributes CO1: Apply theoretical aspects of monetary system CO3: Understand the present situations of monetary system CO3: Integrate and Execute the banking System CO4: Analyse the trend of Danking System
			CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cot of Living Index CO3: Integrating the Past and Present conditions of Cot of Living Index CO3: Analyse the trend of production and prices CO3: Integrate the association of attributes CO1: Apply theoretical aspects of monetary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO4: Analyse the read of banking system CO5: Analyse the Tend of the Cot of Cot o
	U22CE5	MONEY AND BANKING	CO1: Finding feasible solutions between the variables CO2: Apphing parcial Knowledge CO3: Analyse the rend of production and prices CO4: Analyse the rend of production and prices CO5: Interpret association of attributes CO5: Interpret the association of attributes CO6: Analyse the rend of production and prices CO6: Interpret the sessociation of attributes CO6: Analyse the present situations of monetary system CO3: Interpret and Execute the banking System CO5: Analyse the trend of banking system CO5: Measure Credit Control System CO6: Discuss the Basic Concepts of Indices CO7: Apply Equations to find Economic Variables.
			CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the rend of production and prices CO5: Integret the association of attributes CO5: Integret the association of attributes CO1: Apply theoretical aspects of monetary system CO2: Understand the present situations of monetary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO3: Analyse the trend of banking system CO5: Analyse the trend of sunking system CO5: Decessible Basic Concepts of Indices CO2: Apply Equations to find Economic Variables. CO3: Apple Sequinos to find Economic Variables. CO3: Describe the Concepts of SET Theory. CO4: Cacludate Maginal Functions, Maximum Profit and Minimum cost for a Firm and Maximum Utility for Consumer.
	U22CE5	MONEY AND BANKING	CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO5: Integrate association of affirmatives CO5: Indept association of affirmatives CO1: Apply theoretical aspects of monetary system CO2: Indept and Execute the banking System CO3: Integrate and Execute the banking System CO4: Analyse the trend of banking system CO5: Measure Credit Control System CO5: Measure Credit Control System CO5: Descrete the Concepts of Eff Theory.
	U22CE5 U22AEE3	MONEY AND BANKING MATHEMATICAL METHODS I	CO1: Finding fassible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO4: Analyse the trend of production and prices CO5: Integret the association of affirithetes CO6: Integret the association of affirithetes CO6: Integret the sesociation of affirithetes CO6: Apply theoretical aspects of monetary system CO6: Honleyen the present situations of monetary system CO6: Honleyen the present situations of monetary system CO6: Analyse the trend of banking system CO6: Analyse the trend of banking system CO6: Measure Credit Control System CO7: Seasure Credit Control System CO7: Exercise Basic Concepts of Indices CO7: Apply Equations to find Economic Variables. CO7: Apply Equations to find Economic Variables. CO7: Calvalate Marginal Functions, Maximum Profit and Minimum cost for a Firm and Maximum Utility for Consumer. CO6: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Enable the students to know the meaning of Entrepreneur and its functions
	U22CE5	MONEY AND BANKING MATHEMATICAL METHODS I	CO1: Finding feasible solutions between the variables CO2: Apphing practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO3: Integret the association of arthrotyses CO3: Integret the association of arthrotyses CO3: Integret the association of arthrotyses CO3: Integrate and the present situations of monetary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO3: Analyse the trend of banking System CO4: Analyse the trend of banking System CO5: Measure Credit Control System CO5: Discuss the Basic Concepts of Indices CO2: Apply Equations to find Economic Variables CO3: Describe the Concepts of SET Theory, CO4: Calculate Magingal Functions, Maximum Profit and Minimum cost for a Firm and Maximum Utility for Consumer. CO5: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities.
	U22CE5 U22AEE3 U22DSEIA	MONEY AND BANKING MATHEMATICAL METHODS I SMALL BUSINESS MANAGEMENT	CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO5: Integrate the association of attributes CO5: Integrate the association of attributes CO6: Integrate the association of attributes CO7: Apply theoretical aspects of monetary system CO7: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO5: Analyse the trend of banking System CO5: Analyse the Basic Concepts of Indices CO7: Apply Equations to find Economic Variables CO7: Exercise Marginal Functions, Maximum Profit and Minimum cost for a Firm and Maximum Utility for Consumer. CO5: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Enable the students to know the meaning of Entrepreneur and its functions CO7: Analyse the project proposal and Evaluate the different stages of Project Appraisal
	U22CE5 U22AEE3	MONEY AND BANKING MATHEMATICAL METHODS I	CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO5: Integret the association of attributes CO5: Integret the association of attributes CO6: Integret the association of attributes CO7: Integret the sessociation of attributes CO7: Integrate and the present situations of monetary system CO3: Integrate and Execute the banking System CO3: Analyse the trend of banking System CO5: Analyse the trend of banking system CO6: Analyse the Credit Costrol System CO7: Apply Equations to find Economic Variables. CO7: Apply Equations to find Economic Variables. CO7: Apply Equations to find Economic Variables. CO7: Calculated Marginal Functions, Maximum Profit and Minimum cost for a Firm and Maximum Utility for Consumer. CO5: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Enable the students to know the meaning of Entrepreneur and its functions CO7: Analyse the project proposal and Evaluate the different stages of Project Apparisal CO7: Analyse the project proposal and Evaluate the different stages of Project Apparisal CO7: Analyse the project proposal and Evaluate the different stages of Project Apparisal CO7: Analyse the project proposal and Evaluate the different stages of Project Apparisal CO7: Analyse the project proposal and Evaluate the different stages of Project Apparisal CO7: Analyse the project proposal and Evaluate the different stages of Project Apparisal
	U22CE5 U22AEE3 U22DSEIA U22DSEIB	MONEY AND BANKING MATHEMATICAL METHODS I SMALL BUSINESS MANAGEMENT RURAL ECONOMICS	CO1: Finding feasible solutions between the variables CO2: Applying practical knowledge CO3: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO5: Integret the association of attributes CO5: Integret the association of attributes CO6: Integret the sessociation of attributes CO6: Analyse the present situations of monetary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO5: Measure Credit Control System CO5: Analyse the trend of banking System CO5: Assaure Credit Control System CO5: Assaure Credit Control System CO6: Disease the Basic Concepts of Indices CO6: Calculate Marginal Functions, Maximum Profit and Minimum cost for a Firm and Maximum Utility for Consumer. CO6: Calculate Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO6: Eashale Meakimum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO6: Analyse the project proposal and Evaluate the different stages of Project Appraisal CO6: Analyse the project proposal and Evaluate the different stages of Project Appraisal CO6: Analyse the project proposal and Evaluate the different stages of Project Appraisal CO6: Analyse the project proposal and Problems, Programmes and Explain the various financial institution CO6: Assess the Women Enterprenours of MS Office and Word Window CO7: Apply the Steps for creating editing and formulating a document in MS word
	U22CE5 U22AEE3 U22DSEIA	MONEY AND BANKING MATHEMATICAL METHODS I SMALL BUSINESS MANAGEMENT	CO1: Finding feasible solutions between the variables CO2: Apphing practical knowledge CO3: Apphing practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO3: Integret the association of arthributes CO1: Apply theoretical aspects of monetary system CO3: Integrate and persent situations of monetary system CO3: Integrate and Persent integrates of monetary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO3: Analyse fire trend of banking System CO3: Analyse fire trend of system CO3: Analyse fire trend of system CO4: Analyse fire trend of banking System CO5: Discuss the Basic Concepts of Indies CO3: Describe the Concepts of Indies CO3: Describe the Concepts of SET Theory. CO4: Calculate Maginard Functions, Maximum Profit and Minimum cost for a Firm and Maximum Utility for Consumer. CO5: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO2: Enable the students to know the meaning of Entrepreneur and its functions CO3: Analyse the project proposal and Evaluate the different stages of Project Appraisal CO4: Understand the meaning of Entrepreneural Development Programmes and Explain the various financial institution CO5: Assess the Women Entrepreneurs and Problems, Programmes and Explain the various financial institution CO5: Apply the different tools related to table and Mord Window CO2: Apply the different tools related to table and mail merge in MS word CO3: Apply the different tools related to table and mail merge in MS word CO4: Understand the Applications of Excel or SpreadsMedet
	U22CE5 U22AEE3 U22DSEIA U22DSEIB	MONEY AND BANKING MATHEMATICAL METHODS I SMALL BUSINESS MANAGEMENT RURAL ECONOMICS	CO1: Fanding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO3: Analyse the trend of production and prices CO5: Analyse the trend of production and prices CO5: Interpret the association of attributes CO1: Apply theoretical aspects of monetary system CO1: Apply theoretical aspects of monetary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO4: Analyse the trend of banking System CO5: Measure Credit Control System CO5: Measure Credit Control System CO5: Measure Credit Control System CO6: Measure Credit Control System CO6: Executine Macrosomer Variables. CO7: Apply Equations to find Economic Variables. CO7: Apply Equations to find Economic Variables. CO7: Examine Maximum Profit and Utility, Minimum Cost for a Firm and Maximum Utility for Consumer. CO5: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO8: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO8: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commoditie
	U22CE5 U22AEE3 U22DSE1A U22DSE1B U22SEE1	MONEY AND BANKING MATHEMATICAL METHODS I SMALL BUSINESS MANAGEMENT RURAL ECONOMICS INTRODUCTION TO MS OFFICE	CO1: Faiding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO3: Analyse the trend of production and prices CO3: Integrating the Past and Present conditions of Cost of Living Index CO1: Apply theoretical aspects of anotestary system CO1: Apply theoretical aspects of monetary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO3: Analyse the trend of banking System CO4: Analyse the trend of banking System CO5: Measure Credit Control System CO5: Measure Credit Control System CO5: Measure Credit Control System CO6: Examine Measure Credit Control High Proposition Control Control Control Control System CO6: Assure Credit Control High Proposition Control
	U22CE5 U22AEE3 U22DSEIA U22DSEIB	MONEY AND BANKING MATHEMATICAL METHODS I SMALL BUSINESS MANAGEMENT RURAL ECONOMICS INTRODUCTION TO MS OFFICE	CO1: Fanding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO4: Analyse the trend of production and prices CO5: Integrate the association of attributes CO1: Apply theoretical aspects of monetary system CO1: Apply theoretical aspects of monetary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO4: Analyse the trend of Danking System CO5: Measure Credit Control System CO5: Measure Credit Control System CO5: Measure Credit Control System CO5: Essaure Credit Control System CO5: Essaure Credit Control System CO6: Essaure Credit Control System CO7: Apply Equations to find Economic Variables CO3: Estable Measure Credit Control System CO6: Essaure Measure Measure Credit Control System CO7: Essaure Measure Measure Credit Control System CO6: Essaure Measure Measure Credit Control System CO7: Essaure Measure Measur
	U22CE5 U22AEE3 U22DSE1A U22DSE1B U22SEE1	MONEY AND BANKING MATHEMATICAL METHODS I SMALL BUSINESS MANAGEMENT RURAL ECONOMICS INTRODUCTION TO MS OFFICE	CO1: Faiding feasible solutions between the variables CO2: Applying practical knowledge CO3: Integrating the Past and Present conditions of Cost of Living Index CO3: Analyse the trend of production and prices CO5: Interpret the association of attributes CO1: Apply theoretical aspects of moretary system CO1: Apply theoretical aspects of moretary system CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO3: Integrate and Execute the banking System CO4: Analyse the trend of banking System CO5: Measure Credit Control System CO6: Examine Measure Credit Control High System Integrate and Execute the Control System CO6: Search Control System CO7: Explored State Concepts of SET: Theory. CO6: Co7: Apply Equations to find Economic Variables. CO7: Examine Maximum Profit and Utility, Minimum Cost for a Firm and Maximum Utility for Consumer. CO6: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO7: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO8: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO9: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO9: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO9: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO9: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO9: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO9: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO9: Examine Maximum Profit and Utility, Minimum Cost and Price; if there are two commodities. CO9: Examine Maximum Profit and Utility, Minimum Cost Cost and Price; if there

			U22CE6	INTERNATIONL ECONOMICS	CO1: Enable the students to know the meaning of International Trade and Differentiate Internal and International Trade CO2: Describe the various theories of International Trade CO3: Define the concept of Free Trade and Protection and compare the trade policies CO4: Understand the meaning of Terms of Trade and Distinguish between Balance of Trade and Balance of Payments
					COS: Evaluate the Exchange Control and Exchange Rate Policy COI: Describe the Basic Concepts of Matrices.
			U22AEE4	MATHEMATICAL METHODS II	CO2: Solve the Equations by Matrices. CO3: Discuss the forms of Straight Line Equation
					CO4: Describe the Basic Rules of Integration CO5: Examine Total and Average Functions, Consumers and Producers Surplus.
			U22DSE2A	HUMAN RESOURCE MANAGEMENT	CO1: Understanding the implication of Human Resource Management CO2: Acquiring knowledge about organisational and manpower planning CO3: Demonstrating quantitative and qualitative aspects of HRM in India CO4: Identifying the various types of recruitment, selection, methods, placement, job analysis, job description, specification, evaluation etc.
			U22DSE2B	LABOUR ECONOMICS	CO5: Integrating training and Development into Performance Appraisal
				ECONOMICS OF TOURISM AND	CO1: Acquiring knowledge about tourism scenario – Global, National and Regional CO2: Demonstrate full knowledge and skills in growth of tourism and World Tourism Organisation
			U22SEE2	TRAVEL MANAGEMENT	CO3: Understanding crucial issues of four operators, ticket booking and organisation of travel CO4: Summarising steps in planning process and realising importance of fourism planning CO5: Analysing marketing concept and marketing functions of Tourism
					CO1: Identifying and examining the factors influencing women empowerment in Indian Economy CO2: Interpreting the role of Microfinance for poverty alleviation
			U22NME2	WOMEN EMPOWERMENT AND MICRO FINANCE	CO3: Examining the various women empowerment programmes and finding solutions to develop women empowerment CO4: Demonstrate about the activities of self-help groups and understanding rules for their formation CO5: Integrating the role of government and Non-governmental organisations for strengthening SHGs.
4	UHCE	B.A. Economics	U22CE7	MACRO ECONOMICS I	CO1: Understand the meaning of Macro Economics and differentiate the concept of Micro and Macro Economics CO2: Enable the students to know the methods of measuring National Income and Illustrate different concepts of National Income. CO3: Describe the Meaning of Full Employment and Unemployment and enable the students to understand the law of Market, Pigou's Effect and Keynes theory of Income, Output and Employment. CO4: Explain Average and Marginal Propensity to Consume and Interpret Keynes Psychological Law of Consumption. CO5: Discuss the Marginal Efficiency of Capital and Marginal Efficiency of Investment and Define multiplier and Accelerator.
•	OHCE	B.A. Economics	U22CE8	DEVELOPMENT ECONOMICS	CO1: Differentiate the concept of Economic Development and Economic Growth CO2: Describe the underlying theories of Development CO3: Analyse the availability of human resources and take decisions to improve development CO4: Apply the fiscal and monetary measures to solve the problems of Development
			U22CE9	MANAGERIAL ECONOMICS	COS: Integrate the EXIM Policy to increase the foreign trade COI: Describe the nature; expore of Managerial Economics CO2: Define the concepts of business firm and its objectives of business firm CO3: Interpret the demand forecasting and its types of demand forecasting CO4: Analyse the different types of frozing methods and explain the factors affecting pricing policy
			U22CE10	MARKETING	CO2: Illustrate the feilitating functions of marketing CO3: Illustrate the feilitating functions of marketing and explain the marketing functions. CO4: Illustrate the fine fine facilitating functions of consumers and analyse their buying motives.
					CO4: Explain the concept of a productive product line and product item and describe the product life cycle. CO5: Enable the students to know the channels of distribution and to understand the factors influencing channel section
			U22CE11	AGRICULTURAL ECONOMICS	CO1: Describe the nature, scope of Advertising and explain its objectives
			U22DSE3A	ADVERTISEMENT AND SALESMANSHIP	CO2: Analyse the advertising media and identify the various advertising agencies. CO3: Understand the salesmanship and qualities of a good salesman. CO4: Synthesis of the Recruitment and training, its objectives CO5: Explain the meaning, objectives of personal selling and distinguish between salesmanship and personal selling – its function.
			U22DSE3B	POPULATION DYNAMICS	CO1: Describe the nature, scope of demography and explain the relation of demography and explain the relation of demography with other social sciences CO2: Enable the students to understand the Concepts of Fertility, Measures of Fertility and Teactors affecting Fertility CO3: Define the concept and measures of mortality and illustrate the levels and trends. Mortality CO4: Understand the concept of migration, sources and methods of internal migration and Explain brain drain, factors, measures to reduce brain drain CO3: Assess the composition of Indian Population and analyse the various compositions of Indian Population and evaluate the causes, effects
					of population growth CO1: Understanding principles and barriers of communication
			U22GEE1	BUSINESS COMMUNICATION	CO2: Evolving different channels of communication CO3: Acquiring knowledge about business letters, Enquiry, Offers, and Quotations etc. CO4: Applying knowledge to execute order and cancellation of an order. CO5: Demonstrate full knowledge and skills in preparing and writing a good report.
			U22SEE3	PERSONALITY DEVELOPMENT	CO1: Understanding crucial characteristics and significance of personality development CO2: Examining the winning attitude and positive attitude and arriving solutions to build pleasing personality CO3: Effective and written presentation of personality traits and psychoanalytic theory of Fraud. CO4: Acquiring Professional Competencies – Leadership. Team Building etc.
					COS: Appraise and appreciate successful implementation of interpersonal relationship COI: Understand the Goods Market and Money Market Equilibrium and describe the derivation of Aggregate demand curve with IS – LM
			U22CE12	MACROECONOMICS II	Model. CO2: Explain the Types of Causes of Inflation and Suggest the Measures to Control Inflation CO3: Discuss the Phases of Business Cycle and Examine the Measures to control Trade Cycle. CO4: List out the Objectives of Monetary and Fiscal Policy and distinguish Centre cyclical and Compensatory fiscal policy.
			U22CE13	INDIAN ECONOMY	COS: Evaluate different theories of Distribution. COI: Discuss the characteristics of Indan Economy and explain the components of human development COI: Analyse the agricultural scenario and explain the causes for low productivity COI: Assess the industrial scenario, summarise the types of industria and explain the role of public and private sector in India COI: Enable the Students to know the meaning of unemployment and its measures
			U22CE14	HISTORY OF ECONOMIC THOUGHT	COS: Evaluate the economic reforms and explain its features COI : Define the Meramillism and physiocnery analyse he main ideas of Physiocnery CO2: Describe the classical Economic Ideas of Adam Smith, Ricardo and T.R. Malthus CO3: Summarise the Ideas of Marxium and Necolassical Economics CO4: Analyse the Economic Ideas of Kyenes
			U22CE15	HEALTH ECONOMICS	COS: Evaluate the Economic thought in India in recent times COI: Enable the students to know the meaning, nature, scope of Health economics and determinants of health. COI: Analyse the health care system and distinguish demand, supply in health care, graphically illustrate market equilibrium and reasons for market filture COI: Evaluate the cost of healthcare and differentiate various economic analysis COI: Describe the health status and its related Indicators
			U22CE16	PUBLIC FINANCE	COS: Interpret the health plan and policies in India, tabulate the data sources for health statistics COI: Define the nature and scope of public finance and also List out the difference between Polic Finance and Private Finance COI: Explain the classification of Public Revenue and classify different type of taxes COI: Explain the classification of Public Expenditure and examine the causes for the growth of bublic expenditure COI: Illustrate the sources of Public Revenue and also analyse the causes and effects of Public Debt. COI: Summarise the principles and problems of Union State Financial relation in India and discuss the function and local finance in india and
			U22CE17	INDUSTRIAL ECONOMICS	also discuss the functions and problem of local finance in India
		U22AEG1	Statistics - I	CO1: Understand the basic concept, Importance and Functions CO2: Analyse the methods of data collection and census, samples Methods CO3: Distinguish between classification and Tabulation	
		C22. EGI	Januari 1	COS: Interpret the measures of Central Tendency COS: Interpret the measures of Dispersion	
			U22AEG2	Statistics - II	CO1: Understand the meaning and methods of correlation CO2: Analyse the Regression Concepts, Equations and Regression Lines CO3: Evaluation of Index Numbers and its Types CO4: Analyse the components and methods of Time Series
			U22CA1	MARKETING	COS: Estimate the probability and its Theorems. COI: Understand the concept and the elements of marketing CO2: Learn about the product and its life cycle CO3:Know how the price of a product is determined
					CO4 Study the different kinds of Sales promotion CO5: Understand the channels of distribution CO1: Prepare Lodger accounts using double entry book keeping.
			U22CA2	FINANCIAL ACCOUNTING - I	CO2- Prepare final Accounts CO3- Obtain the skill for preparing consignment accounts CO4- Develop the skill in preparing Joint Venture accounts. CO5- Calculate Depreciation under different Methods.
					COI: Understand the nature and functions of advertisement

					CO2: Understand different aspects of advertisement and ethical issues of advertisement.
			U22CA3	ADVERTISING AND SALESMANSHIP	CO3: Know the different types of advertisement media and advertising agency
					CO4: Learn about the salesman and their duties.
					CO5: Learn the recruitment and training of salesman CO1: Prepare bank reconciliation statement.
					CO2: Ascertain profits under single entry system. CO3: Compute claims on fire Insurance
			U22CA4	FINANCIAL ACCOUNTING -II	CO4: Prepare accounts of Non-profit organisations. CO5: Understand the principles in Insolvency Accounts.
					CO1:Understand the features of a company and its classification CO2: Understand the provisions regarding the formation of a
			U22AAAI	COMPANY LAW - I	company. CO3: Know the provisions of Memorandum of Association and
					Articles of Association CO4:Understand the concepts of Prospectus, minimum
					subscription and Underwriting. COS: Gain knowledge about Securities.
					COI:Understand the rights and liabilities of members of a company.
					CO2: Understand the theoretical aspects regarding accounts of Companies.
			U22AAA2	COMPANY LAW - II (Non Semester)	CO3:Understand the rights, duties, liabilities and disqualifications of Directors of a company
					CO4: Understand the procedure to be followed before, during and after the meeting.
					COS: Understand the modes of winding up and also the duties and liabilities of the Company liquidator.
					CO1: Understand the provisions of Indian Contract Act. CO2:Acquire knowledge about the performance of Contract.
			U22CA5	BUSINESS LAW - I	CO3:Develop knowledge on Contract of Indemnity and Guarantee
					CO4:Understand the Contract of Bailment and Pledge. CO5:Understand the provisions of Sale of Goods Act.
					CO1: Calculate profits of contract accounts. CO2: Prepare departmental accounts.
			U22CA6	ADVANCED ACCOUNTS	CO3:Ascertain the profits of Branches. CO4:Prepare Royalty Accounts.
					COS:Understand accounting treatment of hire purchase and installment system.
					COI: Understand the conceptual frame work of operations research CO2:Analyse the linear programming problem and mathematical
			U22CA7	OPERATIONS RESEARCH	formulation
					CO3:Understand the various methods of transportation models. CO4:Find the optimum solution for assignment problem
					COS:Analyse network problems, CPM, PERT. COI: Understand the concepts of statistics- what and why.
				DUGINESS STATISTICS A	CO2:Analyse the data using measures of central value CO3: Understand the significance of measuring variation.
			U22AAA3	BUSINESS STATISTICS - I	CO4: Study the closeness of the relationship between the variables CO5:Analyse the relationship between two variables and able to
					make possible estimation or prediction. CO1:Understand the concepts of Entrepreneurship and functions of
					entrepreneur
			U22DSA1A	ENTREPRENEURIAL DEVELOPMENT	CO2-Gain knowledge on Women Entrepreneurship. CO3-Gain knowledge about facilitating institutions.
5	UCOE	B.Com			CO4:Understand the procedures for starting Micro, Small, Medium Enterprises (MSME)
					COS:Prepare project reports COI: Understand the history and Benefits of Co-opetaion
			U22DSA1B	PRINCIPLES OF CO-OPERATION	CO2: Know about the different stages of Co-operative thoughts CO3: Acquire knowledge about forms of business organisation
					CO4: Know the forms of economic system CO5: Understand the different types of Co-opertives
			U22SEA1		CO1:To understand the functions and essentials of a business letter. CO2: Write an Application Letter of various situations.
					CO3: Draft Trade Letters.
					CO4: Draft Status enquiry letters. CO5: Draft Circulars.
			U22NMA1		COI: Understand basic accounting concepts. CO2: Prepare Journal and Ledger.
				FUNDAMENTALS OF ACCOUNTING	CO3:Prepare Cash Book. CO4:Prepare Trial Balance.
					COS:Prepare Final Accounts. COI: Understand the provisions of Factories Act.
					CO2:Describe the procedure for settlement of Industrial disputes.
			U22CA8	BUSINESS LAW - II	CO3:Acquire knowledge about the Environment Protection. CO4:Acquire knowledge about the Consumer Protection.
					CO5: Understand the provisions of Intellectual property rights. CO1:Understand the fundamentals of partnership accounts.
					CO2:Know the accounting treatment at the time of admission of a partner.
			U22CA9	PARTNERSHIP ACCOUNTS	CO3:Gain knowledge of the accounting treatment at the time of retirement and death of a partner.
					CO4:Learn how to close the books of accounts at the time of dissolution.
					COS: Acquire the skill of settlement of accounts under dissolution. COI:Understand the functions of management.
			U22CA10	PRINCIPLES OF MANAGEMENT	CO2-Familiarise with the types and process of planning. CO3-Knowthe structure of organization.
					CO4- Gain Knowledge on recruitment procedure CO5-Acquire knowledge on directing and controlling.
					CO1: Understand the basic elements of managerial economics
			U22CA11	MANAGERIAL ECONOMICS	CO2: Understand the law of demand. CO3:Know the law of supply.
					CO4: Develop the knowledge of demand forecasting. CO5: Understand the concept of Market Morphology.
					CO1: Understand (i) the stages involved in statistical survey and (ii) sampling and methods of sampling.
					CO2: Construct Index numbers using different methods of constructing index numbers.
			U22AAA4	BUSINESS STATISTICS - II	CO3: Describe (i) the components of time series and (ii) measure the components and estimate for the future operations.
					CO4:Apply the tools of interpolation and extrapolation and estimate the missing values or project the future values
					CO5: Understand the application of probability theory in the solution of business problem.
					CO1:Understand the nature and the importance of insurance CO2:Understand the different types of life insurance policies.
			U22DSA2A	INSURANCE	CO3:Understand the different types of marine insurance policies. CO4:Understand the different kinds of fire insurance policies.
					CO5:Familiarize with the Insurance Regulatory and Development
					Authority. CO1:To explain the concept of Consumer Behaviour & describe Consumer research process in detail
			Page av	CONCULATION	Consumer research process in detail. CO2:To evaluate the factors affecting consumer behaviour in detail
			U22DSA2B	CONSUMER BEHAVIOUR	CO3:To analyze the consumer decision process. CO4:To assess the impact of consumer's motivation, personality
					on the buying behaviour. COS:To impart the basic knowledge of consumer protection rights.
			U22SEA2	PERSONALITY DEVELOPMENT	CO1:Understand the relationship between banker and customer
			U22NMA2	MODERN BANKING	CO2:List the procedure to open savings and current account CO3:Describe the rights, duties and liabilities of a banker
					CO4:Understand the concept of cheque, crossing and endorsement
					CO5:Understand principles of lending

			COLUMN TO A STATE OF THE STATE
			COI: Understand the types of skills required, the levels of management and the difference between the Management and Administration.
			CO2: Understand the footsteps of legendary business gurus such as F.W.Taylor, Fayol, Mayo and also the importance of Planning, its oremises.
	U22CK1	Principles of Management	CO3: Understand the difference between Line & Staff, the need for departmentation and the pros & cons of Centralization,
			Decentralization and the proceeding the control of the controlling CO4: Know the principles of Direction function and the Controlling
			CO5: Know the techniques of Motivation and the role of Staffing in
			Organizational Development. COI: Develop the ability to use the fundamental accounting equation to
			COT: Develop the abuity to use the fundamental accounting equation to analyze the effect of □ business transactions on an organization's accounting records and financial statements. Develop the ability
			to use a basic accounting system to create (record, classify, and usummarize) the data needed to solve a variety of business
			problems. CO2: Develop the ability to use accounting concepts, principles, and
	U22CK2	Financial Accounting	frameworks to analyze ☐ and effectively communicate information to a variety of audiences as subsidiary books.
			CO3: Prepare final accounts in accordance with generally accepted accounting principles.
			CO4: Ability to understand the effect of depreciation in accounting CO5: Understand the main elements of financial accounting
			information – assets, liabilities, revenue and expenses
			CO1: Understand the basic concepts of managerial economics and identify the objectives of a Modern Business Firm CO2: Explain the various aspects of demand analysis and elasticity of
	U22AKK1	Managerial Economics	demand CO3: Forecast demand and understand the concept of supply.
			CO4: Know the features of different forms of market and apply the various pricing methods.
			COS: Plan the profit and understand the concepts of profit forecasting.
			CO1: Identify the key principles in communication and the importance of effective communication in business.
	U22CK3	Business Communication	CO2: Identify the importance of writing business letter CO3: Develop the ability to write curriculum vitae
			CO4: Develop effective interpersonal communication and conduct of meetings
			COS: Identify the importance of writing reports in an organization COI: Understand the importance of studying individual behaviour for
			organizational development and footsteps of legendary business gurus in organizational behavior
	U22CK4	Organisational Behaviour	CO2: Know the role of group for the overall development of an organization and the role of group think in decision making.
	UZZUK4	Organisational Benaviour	CO3: Know the techniques of motivation and leadership, and importance of morale for motivation.
			CO4: Difference fight and conflict, type and role of conflict for resolution, change and its impact on productivity.
			CO5: Know the coping strategies for stress to make success. CO1: Apprehend knowledge on Money market and circular floe of
			Money. CO2: Understand the various theories of Money and Income.
	U22AKK2	Money and banking	CO3: Get knowledge on Gold standard and working of Currency system
			CO4: Understand the Functions and Types of Commercial Banks and Banking System. CO5: Know the Functions and Role of Reserve Bank of India
		Financial Management	CO1: Describe the financial objectives and Critically evaluate the of
			various financial decisions in an organisation CO2: Evaluate the various Source of capital and types of securities
	U22CK5		CO3: Assess the importance of Time value of money and Investment evaluation methods
			CO4: Analyze the concept of dividend decisions CO5: Discuss the function techniques in managing working capital
		Business Statistics	CO1: Understand the role of statistics in business, understanding of mass data.
			CO2: Simplify the mass data and to analyze the unwieldy data.
	U22AKK3		CO3: Measure the principal characteristics of a distribution
			CO4: Indicate the extent of variations in a distribution of a research and its
			interpretation. COS:
			Disclose whether a particular variable is going up or down over a period of time. COI: Understand the role of a banker and their relationship with the
			custome CO2: Differentiate different customer requirements & the bankers
	U22DSK1A	Banking Law And Practice	services toward them CO3: Assess the innovative banking services and its role in the modern
	· · · · · · · · · · · · · · · · · · ·	**************************************	society CO4: Know the various types of loans and advances from banks & its
			importance CO5: Aware the different forms of negotiable instruments used in
			banking service CO1: Provide a basic understanding of risk and uncertainty and the basic
			concepts in insurance mechanism CO2: Give insight to the students on the concept oflife insurance and
	U22DSK1B	Insurance Management	how it is used to cover risk and the role of Life Insurance corporation of India CO3: Learn the fundamental concepts in General insurance and
			laws relating to the same CO4: Learn the basic concepts in fire insurance and Motor insurance
			CO5: Understand the basic concepts and law relating to Marine insurance CO1: Understand the basics of personality and use the theories of
			personality. CO2: Analyze the attitude and values.
	U2SEK1	Personality Development	CO3: Plan for self development and Time Management. CO4: Demonstrate self management through stress management and
			attain self growth CO5: Evaluate ego states and life positions and develop interpersonal
			relations. COI: Understand the nature of business management and its universal
			Applications. CO2: Integrates the bases of Organizing Function
	U22NMK1	Business Management	CO3: Analyse the importance of staffing function CO4: Know the principles of Direction function, the techniques in
			motivation, leadership and how the communication leads success COS: Check the current performance against the predetermined
			CO3: Understand the evolution, nature and scope of Marketing, Role
			of Marketing Manager and Elements of Marketing Mix. CO2: Apprehend knowledge on product planning and Development,
			Managing Product Life Cycle, Branding and packaging
	U22CK6	Marketing Management	CO3-Gain knowledge on Price Determination, various Pricing methods, policies and strategies, Functions of Distribution Channel ,Wholesaling and Retailing.
			CO4: Get knowledge on Advertising media selection, Advertising Agency and Measuring Advertising effectiveness.
			CO5: Understand the Sales Promotion and On line Marketing. CO1: Familiarize with the nature of business environment and its
			components and demonstrate and develop conceptual framework of business environment and generate interest in international business.
	U22CK7	Business Environment	CO2: Understand the definition of ethics and the importance and role of ethical behavior in the business world today.
			CO3: Identify the main features of the industrial licensing policy CO4: Assess Critically the present scenarios that synthesize privatization
			CO5: Identify the various business systems and its impact CO1: Understand and apply the concepts of co-ordinate geometry.
			CO1: Onnerstant and apply the concepts of co-toninate geometry. CO2: Apply set theory and to verify the laws related to set theory using Ven diagram for business problems.
	U22AKK4	Business Mathematics	CO3: Understand and apply the basic arithmetic operations in matrices.
			CO4: Apply the concepts of differentiation in business. CO5: Calculate simple and compound interest for deposits.
			

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Compared by Comp						of entrepreneurs in economic development of a country.
UBAE BBA						entrepreneurship.
Contract				U22DSK2A		economy development.
March Marc						CO5: Understand the nature of incentives and subsidy for the
Table Tabl						
Description	6	UBAE	RRA	U22DSK2B	E-commerce	CO2: Know the applications of internet. CO3: Gain knowledge on the concept of business models of e-commerce
Comment Comm		CDITE	DD .1			CO4: Understand the concept of EDI.
120002						CO1: Learn, Use and practice delivery techniques for making
127-Mail Tomporous of hospitals in the property of the proper				U22SEK2	Presentation Skills	CO2: Structure Presentation skills in order to improve Presentation
107-NO. Temporarial finespeed. Temporarial finespeed						CO4: .Know the audience to have effective presentation
100/NES Service and Biologous to Control Con						CO1: Gain knowledge on Entrepreneurship. Qualities and Traits of
103Nb2 December (Inches) Other and the control of						CO2: Gain knowledge on Entrepreneurial Training , Skill Development
103-13 Interest Comment of the Comm				U22NMK2	Entrepreneurial Development	CO3: Gain knowledge on MSMEs and how start and get license for
120-234						CO4:Gain knowledge on Entrepreneurship Promotion Institutions and getting Credit Facilities from Banks
Backets Law Common Control Con						Entrepreneurs.
Compared Agentical Contents C						agreements.
Control Miles and All And Control And Cont				U22CK8		
Table						
107.53 Cut and Wasparen Avenue Cut and Wasparen Avenue Cut Cut and Wasparen Country Cut						CO5: Examine how businesses can be held under Partnership Act
TOTAL DE CONTRA						
1225 X31 Compared to Compar				U22CK9	Cost and Management Accounting	Analysis
USE NA Hinton Recovery Management (USE NA) Compared Application in terror (USE NA) Compared Application in terror Compared Application in terror Compared Application in terror (USE NA) Compared Application in terror Compared Application in terror Compared Application in terror (USE NA) (U						CO5: Apply the concepts of Fund flow and Cash flow statement
Clark State						CO2: To comprehend the major characteristics of job description, job
Figure 1997. 122CA10 Compare Application in Biolocy. Compare Application in Biology. Compare Ap				U22CK10	Human Resource Management	CO3: To understand the selection and training process in the organization
International Content of Part International Content of Par						of trade union.
Comprise Application in Records Comprise Application in Record						bargaining in the organization. CO1: Gain knowledge on Computer Hardware, Operating System, DOS
12EXXI Compare Application in Resistance (COC) Cold Descripting on Application of Resistance (Inc.) (Inc.						CO2: Gain knowledge on MS-Word, Creating, Editing and Formatting
1220321 1220322 122				HZZCKII	Computer Application in Rusiness	CO3: Gain knowledge on Components of MS-Excel, Entering Data
CDC Case horselying on tensor, Edited and E-Crimenous diags						and Formula in work sheet, Creating Charts using Excel CO4: Gain knowledge on creating power point presentation, applying
COLD Expended to Number (personal products)						CO5: Gain knowledge on Internet, E-Mail and E-Commerce
U2CK12 Research Methodology CTD To Leg diet to coloning and two precessors CTD To Leg to sectionate, does not be design precessing. CTD Can promote Research and CTD Compared Technology (CTD Co						CO 1 To apprehend the knowledge of research design
CO To To Registro to with compart of records				U22CK12	Research Methodology	CO 3 To be able to collect primary source of data
Special Office Assistation Parallel Office Assistation Paral						CO 5 To be able to write a report of research.
122DK3A Particle Office Animation Particle Office An						System-Windows
122DNSA Practici Office Automation CO. Cont practice about society on Composition of Sch Scord, Emerge Man and Formation was bring. Charles was grade and many applying uniformed, practices of feature and many applying uniformed, in participant of feature and many applying uniformed, in participant of feature, and many applying uniformed, in participant of feature, and many applying uniformed, in participant of feature, and many applying uniformed within the Super Scholar CO. This many and an applying uniformed within the Super Scholar CO. This many and an applying uniformed within the Super Scholar CO. This many and an applying uniformed within the Super Scholar CO. This many and an applying uniformed within the Super Scholar CO. This many and an applying uniformed within the Super Scholar CO. This many and an applying uniformed within the Super Scholar CO. This many and an applying uniformed within the Super Scholar CO. This many and an applying uniformed problems and disposition of the Super Scholar and applying uniformed problems and special flowers used and slight Confedera and another scholar and applying uniformed problems and special flowers used and slight Confedera and another scholar and applying uniformed problems and special flowers used and slight Confedera and another scholar and applying uniform and applying uniform and scholar and applying uniform and applying uni						Formatting Documents, inserting Tables and Pictures in a Document and Mail
COLOR protects between the content of the content				U22DSK3A		CO3: Gain practical knowledge on Components of MS-Excel, Entering
COX Camp practical boundaring exchanges should be present and control of the co						CO4: Gain practical knowledge on creating power point presentation, applying multimedia, transition effects and animation effects, run slide show.
122DSAB S7SS CO2. Inclusion descriptors instances, Engagency destination and proposed part for proposed part of the control						CO5: Gain practical knowledge on Internet, websites, blogs, E-Mail , Search engine and E-commerce Applications
122GEX1A SPSS CO: To fearm on do cross tradelisation and cold square test (CO: To fearm on do cross tradelisation and cold square test (CO: To fear on do cross tradelisation and cold square testing and cold tradelisation probations and computer based antidates probations for related to the cold tradelisation and cold						CO2: Introducing descriptive statistics, frequency distribution and
COL To compose means make goar ample test and now Way 2007 to ample related and composed in the public of the composed of the public of the composed of the co				U22DSK3R	SPSS	CO3: To learn to do cross tabulation and chi square test
COLD Processor Cold						ANOVA using computer based statistics package
UZIGEKIA Sulesmanship UZIGEKIA Sulesmanship UZIGEKIA Sulesmanship UZIGEKIB UZIG						based statistics package
U22GEX1A Salemanship C22GEX1B Salemanship C22GEX1B Salemanship C22GEX1B						force
approach with Customers				U22GEK1A		the Customers
Combaning brasion and degreeson.						approach with Customers.
COL Understand the basic concepts of Tourism and the impact of Tourism to the Economy						combating tension and depression.
CO2: Understanding the factors influencing Tourism development and different products and pose of tourism. (CO3: Analyse the Tourism Industry in India.)						COI: Understand the basic concepts of Tourism and the impact of Tourism in the Economy.
COS. Analyse the Iouthan Housesty in House COV. Analyse the Process of various administrative bodies in Tourism development of India. COS. Examine the process of tourism planning and promotion. COS. Cas in knowledge on Employability skills and Vocational skills for COS. Cas in knowledge on Timededs Employability Skills and Vocational skills for COS. Cas in knowledge on Timededs Employability Skills and Vocational skills for COS. Cas in knowledge on Introductional publishing Skills and Vocational skills for COS. Cas in knowledge on Introductional publishing Skills and Vocational skills for COS. Cas in knowledge on Introductional publishing Skills and Vocational skills for COS. Cas in knowledge on Introductional publishing Skills COS. Cas in knowledge on Introductional Expertment COS. Cas in knowledge on Arithmetic and Logical Resourcing Skills. COS. Understand the Integrative nature of strategic management and Irevels of strategy. COS. Know the strategic requirement and Irevels of strategy. COS. Know the strategic requirement and Irevels of strategic publishing and Irevels of strategic publishing and Irevels of strategic requirement and Irev				Instanta Instanta		and different products and types of tourism.
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Job market						CO5: Examine the process of tourism planning and promotion.
U22KI3 Employability Skills COG: Gain knowledge on Irre personal Relationship, Communication, Team Work, Problem solving, initiative and self Management. COE: Gain knowledge on Arithmetic and Logical Reasoning Skills. COI: Understand the integrative nature of strategic management and levels of strategy COE: Know the strategic options and formulate realistic strategies to achieve an organization's goals. U22KI3 Strategic Management U2CKI3 Strategic Management COE: demity and update methods of Protect and resource allocation of strategy implementation COE: demity and update methods of Structural, functional and operational implementation COE: demity and update methods of Structural, functional and operational implementation COE: Understand the various levels of strategy. Access and evaluate techniques of strategy control. COE: Understand the various levels of strategy. Access and evaluate techniques of strategic control. COE: Understand the value control and design a plant layout. COE: Staplain the concept of PPC: identify the principles and equipments for material hanging and know how to maintain a plant. COE: Cleasify materials, apply inventory control techniques and analyse purchasing procedure. COE: Acquire knowledge about work study and Control the quality of Production. COE: to knowledge about work study and Control the quality of Production.						Job market
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Ievels of strategy						CO5 :Gain knowledge on Arithmetic and Logical Reasoning Skills.
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CO2: Identify suitable plant location and design a plant layout. CO3: Explain the concept of PPC, identify the principles and equipments for material handling and know how to maintain a plant. CO4: Lessify materials, apply inventory control techniques and analyse purchasing procedure. CO5: Acquire knowledge about work study and Control the quality of Production. CO1: Get knowledge about work study and Control the quality of Production. CO1: Get knowledge about work study and Control of Retailing and						CO1: Understand the basic concepts of operations management and the
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COS: Acquire knowledge about work study and Control the quality of Production. COI: Get knowledge on Evolution and Functions of Retailing and						analyse purchasing procedure.
CO1: Get knowledge on Evolution and Functions of Retailing and Emerging online Retailing market.						CO5: Acquire knowledge about work study and Control the quality of Production.
						CO1: Get knowledge on Evolution and Functions of Retailing and Emerging online Retailing market.

					CO2-Understand the Environmental Factors affecting Retailing Business and analyzing Competitiveness in Retailing
			U22CK15	Retail Management	CO3: Understand on Retail Organization Formats and Rural Retailing CO4. Get knowledge on Merchandising and operations of Stores.
					CO5: Analyse the shopping behaviour in Retailing and Legal and Ethical aspects of Retailing.
					CO1: Familiarize with the fundamental concepts in Promotion and Promotional
					strategies CO2:
					Understand the basic concepts in advertising and role of advertising agencies CO3: Identify the various concepts involved in development of advertising campaign
			U22CK16	Advertising and sales Promotion	teening are various concepts involved in development of advertising campaign and copy CO4:
					Understand the various media of advertising and strategies in selection of the Media
					CO5:. Learn the fundamental concepts in sales promotion and the various level
					of sales promotional strategies
			U22CKPW	Project Work	
					CO1. Acquire a good foundation in the topics of curvature, envelops. CO2. Students will have a working knowledge of important Mathematical concepts in evolutes, involute and p-r equations
			U22CM1	Differentional Calculus	CO3. Understand tangents, normal, polar subtangent and polar subnormal CO4. Gain understanding of mathematical concepts of asymptotes, singularity
					CO5. Solve problems related to tracing of curves CO1. Analyse and sum the series of binomial, exponential and logarithm
			U22CM2	Classical Algebra	CO2. Understand relation between roots and coefficients of nthdegree equation CO3. Solve reciprocal equation, apply Rolle's theorem, Transformationof equation, Descarte's rule of sign
					CO4. Apply Strum's theorem and Solve equation by using Horner's method CO5. Solve cubic equation by using Cardon's method, biquadratic equation by using Ferrari's method
					CO1. Recall basic concepts and solve problems in Probability Theory. CO2. Classify discrete and continuous one dimensional and two dimensional random variables.
			U22AMMI	Allied Paper-1 : Statistics-I	CO3. Define and find Mathematical Expectation, Moment Generating Function and Characteristic Function.
					CO4. Describe Binomial and Poisson distributions. CO5. Recognize the concept of Rectangular and Normal distributions.
			U22CM3	Integral Calculus	CO2. Understand the reduction formulae and Bernoulli's formula CO3. Solve problems in double and triple integrals
					CO4. Solve volume of solids of revolutions and areas of curved surfaces CO5. Understand the Beta & Gamma function. Demonstrate the techniques of integration.
					CO1. Derive the polar equation of straight lines, circles, conics CO2. Understand the concept of direction cosines of a line and normal of the plane
			U22CM4	Analytical Geomentry	CO3. Interpret plane and straight line and coplanar lines CO4. Expand hyperbolic functions and find logarithm of complex numbers
					CO5. Sum up trigonometric series CO1. Explain curve fitting.
			U22AMM2	Allied Paper II: Statistics II	CO2. Execute Correlation coefficient, Rank Correlation, Regression coefficient and Angle between two lines of regression. CO3. Define Attributes and find the consistency of data and independence of data.
			UZZAMMZ	Amed Laper II. Statistics II	CO3. Discuss the significance of single mean and difference of means of large samples. CO5. Implement t-distribution, F-distribution and Chi-square distribution
					CO1. Understand the concept of Connectives, Negation, Conjunction and Truth Table
			U22AMM3	Allied Paper III : Discrete Mathematics	CO2. Demonstrate the Algebraic Structure. CO3. Acquire a good foundation in Lattices and Boolean Algebra.
					CO4. Understand the concept of Languages, Finite State Machine Languages. CO5. Acquire Knowledge about Number System and Codes, Gray Code, ASCII Code.
					CO1. Gain the knowledge about forces and resultant of forces acting at a point CO2. Predict the effectiveness of parallel forces and moments
			U22CM5	Statics	CO3. Use conditions of equilibrium of forces and moments to solve external and internal forces acting on objects CO4. Describe the force of friction on stationary & moving objects
					CO5. Explain the principle of virtual work & basic concepts and to solve the Problems CO1. Acquire a good foundation in the topics of Differentiation of vector functions.
			U22CM6		CO2. Gain understanding of mathematical concepts of Scalar and vector point functions,
			U22CM6	Vector calculus	CO3. Solve problems related to Divergence and Curl of a Vector point function. CO4. Analyse the Properties of Integral Theorems
					CO5.Demonstrate the techniques of integration . CO1. Recall H.C.F,LCM,decimal fractions and simplifications
			U22NMMI	NMECI-Quantative Aptitude for	CO2. Understand, determine and apply the concept of average and percentage. CO3. Clasiffy profit and loss Ratio and Propositions.
				Competitive examinations	CO4. Sketch the ability of partnership, Time and work. CO5. Demonstrate the knowledge of Simple and Compound intrest.
					CO1. Acquire good knowledge in first & second order linear differential equations and solving techniques CO2. Develop the idea about homogeneous linear differential equations and solving techniques
			U22CM7	Differential Equation	CO3. Develop the solving techniques of simultaneous differential equations & method of variation of parameters
					CO4. Form the partial differential equations and evaluation of some standard forms CO5. Explore the use of differential equations as models in various applications
					CO1. Understand the basic laws of forces and their effects on motion CO2. Define projectiles and explain the characteristics of projectiles.
			U22CM8	Dynamics	CO3. Solve problems involving the impulse forces. CO4. Describe Simple Harmonic Motion and motion under the action of central forces.
					COS. Demonstrate the concept of moment of inertia. COI List the Logical Venn Diagrams and Mathematical Operations.
			U22NMM2	NMEC-II Data interpretation and reasoning	CO2 Explain Arithmetic Reasoning, Series. CO3. Recognize about Tabulations.
					CO4 Demonstrate the concept of Pie Charts. CO5.Sketch the Bar graphs and Line graphs.
				Skill Enhancement Course I:	CO1. Recall LCM and HCF of numbers,BODMAS Rule and learn to do simplifications and find average. CO2. Analyse Profit and Loss, find percentage, illustrate ratio and proportion and solve partnership problems.
			U22SEMI	Skill Enhancement Course I: Mathematical Aptitude for competitive Examinations	CO3. Relate Time and Work , Pipes and cisterns , Time and distance , Problems on Trains, boats and streams , Alligation or Mixtures and solve problems
					CO4 Distinguish Simple interest & Compound Interest and demonstrate Area, Volume and surface area. CO5. Analyse Odd man out and series, apply Data interpretation do Tabulation and draw Bar graphs Pie charts, Line graphs CO7. Sudoents with mave a working knowledge or important manematical concepts in analysical agional such as deminion or a group.
					COT. Students with mave a working knowledge of important maintenancial concepts in abstract argeora such as definition or a group, permutation group and subgroups Students will be knowledgeable of different types of subgroups such as Cyclic subgroups, Normal subgroups, unident. — group and understand the structure and characteristics of fitness subgroups.
					CO2. Write precise and accurate mathematical definition of objects in Ring Theory. Understand subrings, Ideals and Integral domain
			U22CM9	Abstract Algebra	CO3 Demonstrate theorems about Euclidean domains PIDs and UFDs . Gain theoretical knowledge of vector spaces, and Linear transformations
					CO4. Acquire good knowledge of Linear independence, basis and dimension Understand the concepts related to inner product spaces
					COS. Develop the knowledge of Rank of matrix, bilinear and quadratic forms. Understand the concepts related to inner product spaces COI. Acquire the knowledge of basic definitions of Graphs, Isomorphism,
			U22CM10	Graph Theory	Walks, Connected Graphs and Cut Vertices and Edges CO2. Gain the knowledge of Eulerian and Hamiltonion Graphs
			U22CHIIJ	Эгари гисогу	CO3. Identify the concept of Bipartitite Graphs and Matrices CO4. Perceive the idea of Planar graphs
					CO5. Recognize the concept of Colouring and Directed graphs CO1. Expand any periodic function as a Fourier series
			U22CM11	Fourier Series & Trigonometry	CO2. Expand Fourier Series in terms of change of interval CO3. Expand Sine and Cosine series
					CO3. Expand hyperbolic and Inverse functions CO5. Resolving into factors and finding logarithm of a complex function
	THE CE	DC 34 2			COI. Solve linear programming problems. CO2. Apply different methods to find transportation cost.
7	UHCE	B.Sc. Mathamatics	U22CM12	Operations Research	CO2. Apply unreten memous to mud transportation cost. CO3. Recognize Hungarian method to solve Assignment Problems. CO4. State Maximin-Minimax principle and list the types of inventories.
					CO5. Identify critical path.
			I	C.P.	CO1. Acquire the knowledge of basic structure of a C Program, constants, variables and data types, Managing input and output operations CO2. Study about Operators
			U22DSMIA	C-Programming	CO3. Implement decision making with branching & looping CO4. Learn about one dimensional &two dimensional arrays, string handling functions

			UAADSMIB	OOPS With C++	COI. Understand the principles, benefits and applications of OOP & begin with C++ CO2. Understand the firinctions in C++ programming CO3. Gain knowledge about classes and objects in C++ programming CO4. Present knowledge of constructors and destructors CO5. Understand inheritance
		U22SEM2	SEC-II: Laplace Transforms and Fourier Transforms	COL Find the Laplace Transform of some standard functions CO2 Find the Inverse Laplace of functions CO3 Apply the Laplace Transform to solve the linear differential equations and simultaneous linear differential equations CO3 Apply the Laplace Transform and explain some properties CO4. Define the Fourier Transform and explain some properties CO5. Evaluate Fouriers in transform, consier transform of functions	
			U22SEM3	SEC-III: Optimization Technique-II	COI. Analyse and solve sequencing Problems CO2. Demonstrate Queuing Theory and Classify Queuing Models. CO3. Distinguish Single server models with finite capacity and infinite capacity, derive their characteristics and solve problems CO4. Analyse Birth and Death Process and derive its Characteristics CO5. Distinguish multi server models with finite capacity and infinite capacity, derive their characteristics and solve problems
			U22CM13	Core13-Complex Analysis	CO1 Construct Analytic functions and Harmonic functions CO2 Classify and Evaluate Contours integration CO3 Find the Taylors and Laurent Series CO4 Derive Rouches theorem and evaluate improper integrals CO5 Construct the conformal mapping
			U22CM14	Core14-Real Analysis	COI. Define the inequalities, write clear and precise proofs. CO2. Understand, determine and apply the concept of sequences and series CO3. Understand an ecquire the knowledge of open sets, closed sets, limit in metric spaces CO4. Stactch the ability to model continuous, complete metric spaces CO5. Semostrate the knowledge of connected sets and compact sets of R
			U22CM15	Core15-Number Theory	CO1. Recall the concepts mathematical induction and early number theory . CO2. Demonstrate divisibility theory in integers. CO3. Derive fundamental theorem of Arithmetic. CO4. Analyse and apply the theory of congruence. CO5. Describe Terma's Theorem.
			U22DSM2AP	C Programming Lab	CO. Describe Ferning a movem.
			U22DSM2BP U22DSM3A		COI. Solve the Guass Elimination Method CO2. Find the Difference and Factorial polynomial and error propagation CO3 Discuss and demonstrate the concept of interpolation
					CO4. Understand the Newton's Forward and Backward formula. CO5. Apply Euler's and Rungekutta method for fourth order CO1. Recall the basic definitions, characteristics and significance of fuzzy sets. CO2. Classify the operations on fuzzy sets, concept of extension principle.
			U22DSM3B	Fuzzy Mathematics	CO3 List the concept of fuzzy complements, intersection and union. CO4. Explain the combination of operations and aggregation operations. CO5. Explain the concept of Fuzzy numbers.
			U22GEMIA	Astronomy	COI. Understand Celestial co-ordinates, sidered time CO2. Demonstrate effects of Geometric, Heliocentric, Parallax. CO3. Find equation of time and conversion of time CO4. Understand relation between sidereal month Launation and relation between theorem CO5. Understand Planetary phenomena. & Astronomical instruments
			U22GEMIB		CO1. Understand models CO2. Develop models in medicine CO3. Explain models through differential equations CO4. Explain models through difference equations
			U22AMP1	Allied Mathematics Paper-I	COS. Understand models through graphs COI. Analyse It Binomial series CO2. Understand and apply the concept of Exponential & Logarithm series CO3. Get cleam concept of Relation between roots and coefficients CO4. Demonstrate the techniques of Neworks and Horner's method
			U22AMP2	Allied Mathematics Paper-II	COS: Solve the problems related to Radius&Center of curvature COI. Understand the Hyperbolis functions and Logarthiam of complex number CO2. Analysis the properties of definite integral CO3. Acquire a good/foundation in Differential equation of first order CO4. Get Clear Concepts of second order equations and solve the problem
			U22AMP3	Allied Mathematics Paper-III	COS. Demonstrate the techniques of partials/differential equations OI Find the Giradiant, Curl and Divergence of a function CO2. Evaluate line integral and surface integral CO3.Inderstand the concept of Lplace Transform and inverse Laplace Transform CO4. Calculate correction coefficient and Index numbers
			U22AMC1	ALGEBRA & TRIGONOMETRY	COS: Compute Fourier, Cosine and Sine Series COL. Indusyet the Binomial series COL. Understand and apply the concept of Exponential & Logarithm series COL. Get clean concept of Relation between roots and coefficients COL Gernostrate the techniques of Newton's and Homer's method COS: Solve the problems related to Radius&Center of curvature COL. Understand the Hyperholic functions and Logarithms or Complex number
			U22AMC2		OCO. Solve the problems related to Radius&Center of curvature CO2. Analysis the properties of definite integral CO3. Analysis the properties of definite integral CO3. Acquire a good/oundation in Differential equation of first order CO3. Acquire a good/oundation in Differential equation of first order CO3. Acquire a good/oundation in Differential equation of the control of the co
			U22AMC3		CO1 Calculate correation coefficient and Index numbers CO2 Campute Fourier, Cosine and Sine Series CO3. Find the Gradamt, Curl and Divergence of a function CO4. Evaluate line integral and surface integral CO5. Understand the concept of Epicae Transform and inverse Laplace Transform
			U22CP1	MECHANICS, FLUID DYNAMICS AND SOUND	CO 1: Identify the concepts of dynamics of rigid bodies CO 2: Discuss about types of collision and able to derive the expression for final velocities and loss of kinetic energy CO 3: To collect primary idea of gravitation and rocket motion CO 4: Impart the knowledge of properties of fluid, hydrostatics and kinematics of fluid flow CO 5: Analyze about Ultrasmic and its applications.
			U22CP2	HEAT AND THERMODYNAMICS	CO1: Understand the behavior of real gases and derive Vander Waals equation of a state. Understand the concept of transport phenomenon. CO2: State and explain the laws of thermodynamics. Apply the laws to explain cannot engine. Understand the concept of entropy and derive Maxwell's equations. CO3: Understand the methods of liquefaction of air. Explain the properties of Helium I and III. Describe the process of Adiabatic demagnetization. CO4: Understand the different methods of transmission of heat. State and explain Wien's displacement Law – Rayleigh Jean's Law - Solar constant. Explain whereflow Pythelometer. CO5: Understand thermomentry and calorimetry and explain Cp and Cv- Mayers relation-Cv by Jobya differential steam calorimeter method- Cp by Regnantis methods.
			U22CP3P		CO 1 : be familiar with elasticity and various moduli of elasticity CO 2 : cultivate the low range voltmeter CO 3 : construct different types of wareforms CO 4 : be familiar with spectroscopic techniques CO 5 : experiment with semiconductor devices to understand their properties
			U22CP4	ELECTRICITY AND ELECTROMAGNETISM	CO1: Understand fundamental laws of electricity and magnetism apply the knowledge of electricity and magnetism to technological advances CO2: Get a clear idea about chemical, thermal and magnetic effect of electric current and its uses which provide a pathway for the new scientific invention CO3 Understand how Faraday's law relates to indeed emf and to calculate the energy stored in an inductor CO4: Apply the knowledge of basic circuital laws and simplify the DC and AC networks using reduction techniques CO5: Apply Maxwell's equations to solve various physical problems and develop problem solving skills in electromagnetism
			U22CP5	PHYSICAL AND LASER OPTICS	CO1 : describe and discuss about interference and its applications CO2 : describe and discuss diffraction effects observed in a single slit and circular aperture and relate to optical resolution CO3 know how to Produce and detect of plane, circularly and elliptically polarised light CO4 : explain the basic principles of laser and, types of laser CO5 understand the working principle, recording, reconstruction and types in holography and the advance applications of laser in various field like medicine and industry
			U22CP6P	MAJOR PRACTICAL – PAPER – II	CO1: apply the procedures and techniques for the experiments. CO2: use the different measuring devices and meters to record the data with precision. CO3: show the basic working condition of the experiment. CO3: apply the mathematical concepts equations to obtain quantitative results. CO4: understand the standard value of the results and the applications. CO4: communicate scientific information in oral, written and graphical formats.

CO5. Study about user defined frictions, structures, unions and pointers
CO1. Understand the principles, benefits and applications of OOP & begin with C++

		l				
					CO6: develop basic communication skills through working in groups in performing the laboratory experiments and by interpreting the results CO7: identify the basic concepts needed to develop a program	
			U22NMP1	Weather Forecasting	UNIT I CO1: Understand the importance of atmosphere, composition and structure of atmosphere also know the characteristics UNIT 2 CO2: Know about the Wind systems and Clouds. UNIT 3 CO3: identify the Cyclones, Classification of Cyclones and thunderstorms UNIT 4 CO4: Know about the classification of climate and importance of global warming UNIT 4 CO4: Know about the classification of climate and importance of global warming UNIT 5 CO5: Uniterstand the importance of Wather Forecasting and Salellites observations.	
			U22CP7	Mathematical Methods	CO1: define the errors and root of equations CO2: solve the problems using Matrices CO3: interpret the interpolation CO3: explain about numerical differentiation and integration	
			U22NMP2	SOLAR ENERGY AND ITS APPLICATIONS	COS: solve the problems using differential equations COI: Understand the importance of sin, composition Jayers. COZ: Know the difference of renewable energy sources and non-renewable energy sources COX: Snow the working of solar bender and solar drier COX: Know the working of solar cooker and solar pend.	
			U22SEP1	ASTROPHYSICS	COS: Isow the uses of solar energy CO: describe the features of objects in the Solar system giving details of similarities and differences between these objects. Understand the fundamental concepts of the celestial sphere comest, sateroids, meteors, galaxies and motion of planets. CO2: understand the clements and types of telescopes and know the importance and features of Spectrograph CO3: study classification of stars and Hertzsprung. Russed diagram for population of stars, understand absolute, apparent luminosity and their measurement and back holes CO4: study the properties of Sun, Solar Atmosphereand Solar activity CO5: study streament and characteristics of the Earth, Understand the relations between the Moon and earth and Know the effects of sun, moon	
			U22CP8	Analog Electronics	and earth CO 1 understand Kirchhoff's Laws and various network theorems and describe the function of various diodes and their applications CO 2: distinguish between BJT and FET and able to explain the working of Transistor amplifiers CO 3: describe the working of various types of amplifiers CO 4: explain the working of different types of oscillators and multivibrators	
					CO 5: explain the characteristics and application of operational amplifier CO: Explain the Atom Model and the Quantum Number associated with the Vector Atom Model. CO: Explain the Atom Model and the Quantum Funder associated with the Vector Atom Model. CO: Explain the Atom Model and the Quantum Funder and Funder an	
			U22CP9	Atomic Physics	CO4 Explain the various types of Coupling scheme and to define the effect of Normal and Zeeman Effect. CO5-Stayl the production, properties, absorption and characteristics of Normal and Zeeman Effect. CO5-Stayl the production, properties, absorption and characteristics of N-rays supertar and to solve problems using Moseley's law. Examine and understand the process of scattering of X-rays by light elements (Compton effect). Demonstrate and describe the photoelectric effect and to list the performance and applications ofphotoelectric devices. Formulate the Einstein's light quanta hypothesis. CO: define the basic concepts in elession mechanics.	
			U22CP10	Classical,Statistical,and Quantum Mechanics	CO2: apply classical approach to some of the physical systems. CO3: know the basics of wave mechanics. CO4: understant dhermodynamic probability and lassical statistics. CO5: explain quantum statistics and differentiate it from classical statistics.	
			U22CP11P	Major Practical Paper III	CO1: Understand the theoritical concepts by doing experiments CO2: Familiars with microscops, exteriments and ballistic galvanometer CO3: Understand the application side of the experiment CO4: Study the spectral and optical properties of the given materials CO5: Improve the practical skills and Knowledge	
			U22DSP1A	Medical Physics	CO1 : lat the electrode material and types of electrodes CO2 : mention active and passive transducers CO3 : explain the characteristics of the recording system CO4 : discuss about the diagnostic instruments CO5: understand the working of medical equipments	
	UPHE	B.Sc Physics	U22DSP1B	Radiation Safety	CO1 : understand the basics of atomic and nuclear physics CO2 : list the types of radiation and its interaction with matter CO3 : discuss different radiators and monitoring devices CO4 : specify the radiation safety management	
8			U22GEP1	Physics of the Earth	CO5:study the use of radiators in medicines and industries CO1: To describe the Important physical parameters and properties of the planet earth CO2: Impart the knowledge of understanding Gravitational attraction, Gravitational Theory CO3 Analyse the Thermal history of the Earth CO4: To understand the Elastic constants and Elastic process in the earth CO5: To understand the Theory of earth's magnetic field	
			U22SEP2	Programming with C	CO1: define the basics of programming language CO2: understand the concept of input and output operations CO3: describe decision making and branching CO4: discuss the ackerison making and Joping	
				U22CP12	Digital electronics and Communication	CO3: describe arrays and strings CO 1: define the different types of number systems and enhance their skills in conversion of number systems CO 2: explain the basic and universal logic gates and relates the ruth tables CO 3: simplify the logic expressions using Boolean laws and Kmap CO 4understand the working of multivibrators and flipflops
			U22CP13	Solid State Physics	CO 5: describe the principle and types of modulation CO 1: Conceptually explain the classification schemes that are used to categorize engineering materials and describe how and why defects in materials greatly affect engineering properties and limit their use in service CO 2: understand enceisely and effectively resistivity and conductivity using basic relations, gain important conceptual and operational understanding of different types of conduction materials CO3: Complete understanding about magnetic materials and superconductors, their basic theories, types and applications. CO4: Acquaint complete knowledge of dielectric materials, with their types and applications.	
			U22CP14P	Major Practical -Paper IV	CO2 : Acquire tubowing or informate infections after faint onacrains, with inter preplanation and approximates. CO2: Construct electronic circuits using plogs gates & IC CO2. CO3: Andy the characteristics Transister and FET. CO3: Construct dail prover supply. CO4: Understand the theoretical concepts by doing experiments CO5: Understand applications of ICs by doing experiments	
			U22CP15	Optoelectronics	CO1 : Understand the basic knowledge of LED and LCD and instrumentation involved CO2 :acquire complete about the operation and construction of lasers CO3 : Familiarre with various opted-terronics such as Proto transistors, photo diodesand its real time applications CO4 : understand basic principle of optical fibre CO5 : Seam and practice the techniques used by an optical phenomenon so that these can be applied to actual field studies	
			U22DSP2A	Nuclear physics	UNIT I COI- PROPERTIES AND STRUCTURE OF NUCLEI. Minding energy, unclear composition, nuclear forces, analyse liquid drop model UNIT 2 CO2- RADIOACTIVITY of neutrino, uses or Tradio beta, gamma rays, understand alpha, beta UNIT 3 CO3- NUCLEAR REACTIONS differentiate nuclear fission encludue 2 value of nuclear reaction UNIT 4 CO4- NUCLEAR DETECTORS AND PARTICLE ACCELERATORS Know neutron sources , properties , nuclear detectors , particle accelerators, understand the working principle of detectors and accelerators, understand the working principle of detectors and accelerators. UNIT 3 CO5- COSMIC RAYS AND ELEMENTARY PARTICLES Know about cosmic rays , origin of cosmic rays, understand aluttack, latitude, longitudinal effect of cosmic rays, differentiate	
			U22DSP2B	Nano Physics	elementary particles COI Know the history of nano technology, understand synthesis of oxide nano particles, develop skills in synthesis of nano particles CO2 Know super lattice, understand preparation of quantum nano structure, differentiate quantum well laser, quantum cascade laser, quantum wire, quantum dot, analyse application of quantum dost. CO3 Know discovery of nano tubes, classify types of carbon nano tubes, synthesize carbon nano tubes CO4 Know almo cystalline soft material, understand theoretical back ground of permanent magnetic material, discuss quantum cellular automata CO5 Know about chemistry and environment, understand applications of nano technology, analyse medical applications of nano technology.	
			U22DSP3A	Spectroscopy	CO1: understand Microwave Spectroscopy in detail with the knowledge of classification of molecules CO2: analyze the theory of Infra red spectroscopy with the vibrating diatomic molecule as harmonic and an anharmonic oscillator. CO3: understand and analyze Raman Spectroscopy in dreal with the knowledge of classical and quantum effects CO4: understand the electronic spectroscopy Withtinional course structure. Progressions – Praist. Condon principle CO5: explain the construction and working of IR Spectrophotometer (Single beam and double beam).	
			U22DSP3B	Problems solving skills in Physics	CO1: understand and develop the skill in solving problems in Mechanics and also to recollect the corresponding theories. CO2: analyze and solve the problems in Thermal Physics. CO3: solve the problems in Electricity and Magnetism and also will discuss the corresponding theories. CO4: understand and solve problems in Quantum Mechanics CO5: explain the general concepts in Physics and mathematics by solving problems.	
			U22SEP3	Physics for competitive Examinations	CO3: develop the method of attending multiple choice questions in mechanics, properties of matter CO3: enhance the skill in solving problems and answering multiple choice questions in physics CO3: understand and analyze the tricks in attending more questions (multiple choice) in a short interval of time. CO4: apply the knowledge of physics in solving problems. CO5: develop the confidence of attending competitive exams.	
					ресор, четекор иле connucrace of attentioning compensive exams.	

					CO1 : understand the various modulus involved in the materials and apply the knowledge to practical applications
			U22APCT1	Allied physics-1	CO2 : explain the concept behind flow of liquids due to viscous forces CO3 understand how heat is transmitted due to process of conduction, convection and radiation and atmospheric pollution CO4 : understand various thermodynamic laws and the concept of entropy
		U22APCT2	Allied physics -II	COS: know the concepts of interference, diffraction and polarisation and its uses in practical applications CO1: understand the uses of resistance and adale to determine the unknown values like current, voltage in the circuit CO2: know how electrons are ejected from the surface of a metal when light is incident on it and its technological applications CO3 understand the basic concepts of electromagnetic induction and acquire complete knowledge about Alternating current	
					CO4 explain the methods of biasing transistors & design of simple amplifier circuits and to develop the ability to analyze and design analog electronic circuits sizing discrete components. CO5 apply knowledge of number systems, codes and Boolean algebra to the analysis and design of digital logic circuits. CO61 use vernier caliper and screw gauge for various measurements CO2 c apply the concepts of Physics relevant to the theory learnt in allied core courses in a practical situation
			U22APCP	Allied physics pratical	CO 2 - supply use concepts or reprises recevant on the mency retain in an aniect one courses in a practical situation. CO 3 evaluate various physical properties of materials through experiments CO 4 : analyze the basic electrical circuit and to find the unknown value of current and inductance. CO 5 : construct logic circuits using universal NAND or NOR gates. CO [: understand the various modulus involved in the materials and apply the knowledge to practical applications
			U22APMT1	General physics-I	CO2: explain the concept behind flow of liquids due to viscous forces CO3 understand how bear its transmitted due to process of conduction, convection and radiation and atmospheric pollution CO4: understand viscous thermodynamic laws and the concept of entropy CO5: know the concepts of interference, diffraction and polarisation and its uses in practical applications
			U22APMT2	General physics -II	CO1 understand the uses of resistance and capacitance and able to determine the unknown values like current, voltage in the circuit CO2. Ixone how electrons are ejected from the surface of a metal when light is incident on it and its technological applications CO3 understand the basic concepts of electromagnetic indication and acquire complete knowledge about Alternating current CO4 explain the methods of biasing transistors & design of simple amplifier circuits and to develop the ability to analyze and design analog electronic circuits using discrete components.
			U22APMP	General physics pratical	COS apply knowledge of number systems, codes and Boolean algebra to the analysis and design of digital logic circuits. CO1 : use vernite caliper and scewe gauge for various measurements CO2 : apply the concepts of Physics relevant to the theory learnt in allied core courses in a practical situation CO3 evaluate various physical properties of materials through experiments CO4 : analyze hasis electrical circuit and to find the unknown value of current and inductance
					CO 5 :construct logic circuits using universal NAND or NOR gates. CO1: write IUPAC names organic compounds (upto C10), bicyclo compounds and simple
					aromatic compounds. CO2: (i) describe the hybridization. (ii) explain the electronic effects. (iii) explain the electronic effects. (iii) apply the influence of electronic effects, relative strengths of acid and base and stability of rapidals, curbocations & carbanism
			U22C1	GENERAL CHEMISTRY I	CO3 (i) explain the factors affecting ionic compounds, Born Haber cycle, Pauling & Mullikain's seales of electromagnitivity and Fajain's rule. (ii) differentiate inter and intranolecular hydrogen bonding. (iii) apply VSEP hency to simple norganic compounds. (iv) apply MO theory (iv) compare VB and MO Theorie CO4-t to explain the quantum numbers, Pauli's exclusion principle, Hund's rule, Aufbau Principle and periodic properties.
			U22CC2P	PRACTICALS-1 QUALITATIVE ANALYSIS & ORGANIC PREPARATION	COS: to describe the basics of atomic structure and quantum theory. COI: analyse the mixture containing two cations and two anions. CO2: prepare a few important organic compounds
	UCHE	B.SC Chemistry	U22CC3	GENERAL CHEMISTRY- II	CO1: to describe the chemistry of eyeldames, Dilex-Better reaction. CO3: to demonstrate the metallurgical processes and explain the principles of qualitative analysis CO4: describe the chemistry of s-block elements
			U22CC4	GENERAL CHEMISTRY- III	COS: to explain gas and liquid state COI: demonstrate communicity. Aromatic electrophilic substitution CO2: explain the characteristics of clements of Group III A and some important compounds of Brons and Aluminium. CO3: demonstrate the characteristics of elements of IV A and the Chemistry of silicones. CO4: explain the nature of applications of colloids
9			U22CC5	GENERAL CHEMISTRY – IV	COS: explain nanomatrial, liquid crystals and their applications. COI: demonstrate the chemistry of haloalitenes. CO3: explain the theory behind the volumetric analysis and perform calculations based on it. CO4: explain the principles of gravimetric analysis, error analysis and adsorption. CO5: describe the chemistry of Nitrogen.
			U22CC6P	PRACTICAL - II, VOLUMETRIC ANALYSIS AND ORGANIC ESTIMATION	COL estimate the given inorganic solution, volumetrically CO2: estimate the given organic solution, volumetrically
			U22CC7	PHYSICALAND INORGANIC CHEMISTRY	CO1: explain Raoulfs law, non-ideal solutions and Colligative properties CO2: describe the concepts of phase rule. CO3: demonstrate the composition and stability of the nucleus and types of nuclear tractions CO4: explain the Natural and artificial radioactivity and applications.
					COS: explain crystal structures and crystal defects COI discuss General characteristics of alkanes, alkenes, alkynes, stereochemistry, Explain carbolydrises, bybridization, polar effects. CO2 describe the periodic properties, metallurgical processes, types of chemical
			U22SEC1	CHEMISTRY FOR COMPETITIVE EXAMINATIONS	bonding and nuclear chemistry. CO3: explain Colligative properties, Phase rule, Catalysis, chemical kinetics and electrochemistry. CO4: apply the concepts of volumetric analysis, thermo gravimetric analysis. CO5: discuss the properties of Paintis, varnishes, ecement, fixels soaps and detergents,
			U22CC8	ORGANIC CHEMISTRY- I	insecticides. CO1: Stereochemistry of organic compounds CO2: Chemistry of Aldebydes and Ketones CO3: Chemistry of Aliphatic and Aromatic Carboxylic acids CO4: Chemistry of Aliphatic and Aromatic Nitrogen compounds CO5: Chemistry of Carbothydrates
			U22CC9	PHYSICAL CHEMISTRY I	CO1: explain the basic terminologies and laws of thermodynamics and calculations of embalapy, entropy and free energies. CO2: demonstrate the different ways of stating II law of thermodynamics and its significance, Entropy, free energy function and Partial molar quantities. CO3: explain the III law of thermodynamics CO3: explain the III law of thermodynamics CO3: deprive the rate constants for 1st, 2nd, 3rd and zero order reactions CO3: discuss the theories of reaction rates and the influence of temperature on rate of
					the reaction and correlating the physical properties and chemical constitution. CO1: Classify animal kingdom. Describe the structure and functions of different systems in Paramecium and canal system of Porifera CO2: List out general characters of phylum Helminthes and Annelida. Describe the structure and function of different systems in Nereis. Analyse the parasitic adaptation of helminthes and adaptive radiation in Annelida.
			U22CZ1	Biology of invertebrates	CO3: Describe the excretory, reproductive system and life cycle of Pienaeus monodon and compare and contrast the mouth parts of insects CO4- Gain knowledge about the general characters of phylum Mollusca. Describe the structure and functions of different systems of Phila globosa and analyse the torsion in Gastropoda and advanced features in Cephalopods. CO5: Classify the phylum Echinodermata depending on the observed characteristics and describe the water vascular system, perpoductive system
			U22CZ2P	Biology of Invertebrates - Practical	of starfish and larval forms of Echinodermata and types of Pedicellaria. CO1: Understand the morphological characters of the selected animal species. CO2: Gain knowledge about various organ system of the selected invertebrate species CO3: Exhibit practical skills in mounting and correlate structural features.
					CO4: Identify and locate given organ system of an invertebrates by virtual or visual aids. CO5: Identify draw and elucidate various structural features of animals of various phyla. CO1: Describe the history of sericulture in India and basic concepts of
					silkworm rearing. CO2: Explain processing of cocoon and apply knowledge of diseases of silkworm to develop entrepreneurship.
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			UZZAZZI	Economic Zoology I	CO3: Acquire knowledge and skills in the establishment and
					production of vermicompost. CO4: Understand the concepts and techniques of vermicomposting
					CO5: Gain knowledge about lac cultivation and its benefits.
					CO1: gain knowledge on various characteristics of silkworm larvae and
					pupae rearing practices and diseases of silkworm. CO2: infer social organization in honeybee , bee keeping practices and
		IZOE B.Sc Zoology	U22AZZ2P		to understand lifecycle of lac insect.
				Process of the Process of	CO3: comprehend the principles of vermicompost technology, and
				Economic Zoology Practical	apply them to exhibit entrepreneurial skills CO4: gain knowledge about freshwater and marine fishes and interpret
					various physico-chemical parameters essential for fishery industry
					CO5: demonstrate knowledge about various chick breeds and their characteristics and also about various cattle diseases and
					byproducts of dairy industry
					CO1: Impart basic knowledge about the general characters and
					classification of Chordates CO2: Provide adequate explanation to the students about animal
	UZOE		U22CZ3		diversity in Pisces through classification and organ systems
10				Biology of Chordates	CO3: Understand the unique characters, classification of Amphibians and Reptiles
					CO4: Develop knowledge about the classification and evolutionary
					significance of Aves
					CO5: Understand analytical thinking about classification and organ
					systems in Mammals CO1: Understand the morphological characters of the selected
					animal species.
					CO2: Gain knowledge about the various organ systems of the
					selected chordate species CO3: Illustrate the anatomical features of the organ systems of
			U22CZ4P	Biology of Chordates - Practical	the selected species of chordates.
					CO4: Exhibit the practical skill on mounting and correlate the
					structural features CO5: Identify, draw and elucidate various structural features of
					chordates
					CO1: Learn the importance of Government organizations and Indian economy related to fishery and acquire the knowledge
					about the classification of fisheries.
					CO2: Understand the various methods of fish culture
			U22AZZ3	Economic Zoology II	CO3: Learn the basic techniques involved in ornamental fish
					culture CO4: Understand the Poultry farming and practice to rear them
					in their fields
			TIAA L DA	Fanda C	CO5: Understand the Dairy farming and management
			U22AE2	Environment Studies	
					CO1: Acquire knowledge on Mendelian principles, understanding gene
					interaction and apply the knowledge practically in donating blood to the
					needy. CO2: Recognize and correlate the relationship between linkage and
					crossing over of genes and analyse gene frequency.
			U22CZ5	Genetics and Biodiversity	CO3: Identify and analyse the risk factors causing anomalies of
			022023	Genetics and Distartersity	chromosomes and apply the knowledge practically in human genetic counseling for the welfare of the society.
					CO4: Enrich knowledge on biodiversity and to understand the causes of
					extinction of animals, apply the skills to conserve biodiversity.
					CO5: Involve themselves in practicing the policies on biodiversity and strive for harmonious existence of the environment.
			U22CZ6P	Good and District Book of	
			UZZCZOF	Genetics and Biodiversity Practical	CO1: Understand the principles of Mendelian inheritance and d significance of Barr body in human
					CO2: Enrich their knowledge and understand the genetic Crossing UNIT 1 CO1: Spot, collect, identify algal forms, and recognize the ways of utilizing the algal resources for their vocation and livelihood
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			U22CB2P U22ABB1 U22CB3 U22ABB2P U22CB4P	Practical I Introduction to Ecobiology Bryophytes, Pteridophytes, Gymnosperms And Paleobotany Ancillary Practical - I Practical II Ancillary Paper II Energy	UNIT 1 CO1: Spot, collect, identify algal forms, and recognize the ways of utilizing the algal resources for their vocation and livelihood UNIT 2 CO2 Compare the similarities and contrast difference between the chosen groups and eventually be able to build logic for understanding and appreciating plant evolution UNIT 3 CO3: Longers the characteristic feature and habitat of fungal groups UNIT 4 CO4. Understands and compares the lifecycle patterns of different fungal groups UNIT 4 CO4. Understands and compares the lifecycle patterns of different fungal groups UNIT 4 CO4. Understands and compares the lifecycle patterns of different fungal groups UNIT 4 CO4. Understands and compares the lifecycle patterns of different fungal groups UNIT 4 CO3. Paged the students to know the organization of lichen thallar, the cological benefits and uses of it, recognizes the causal organism and symptoms of some common plant diseases. UNIT 1 CO3. Paged to write technical description of plants to their systemic position. UNIT 2 CO2. Apply the knowledge of plant observation and identify them with characteristic features. UNIT 3 CO3: Learn the structure of Lichen and its importance as pollution indicators. UNIT 3 CO3: Learn the structure of Lichen and its importance as pollution indicators. UNIT 3 CO3: Learn the structure of Lichen and its importance as pollution indicators. UNIT 3 CO3: Learn the structure of Lichen and its importance as pollution indicators. UNIT 3 CO3: Learn the structure of Lichen and its importance as pollution indicators. UNIT 3 CO3: Conferentiate positive and negative interrogations UNIT 4 CO4: Develop concept on bydrosere and Xerosere. Causes and basic types of succession. UNIT 4 CO4: Develop concept on bydrosere and Xerosere. Causes and basic types of succession. UNIT 5 CO5: Enable students to carry out vegetation studies UNIT 5 CO5: Enable students to carry out vegetation studies UNIT 6 CO4: Develop concept on bydrosere and Xerosere. Causes and basic types of succession. UNIT 5 CO5: Enable the stud
			U22CB2P U22ABB1 U22CB3 U22ABB2P U22CB4P U22ABB3	Practical I Introduction to Ecobiology Bryophytes, Pteridophytes, Gymnosperms And Paleobotany Ancillary Practical - I Practical II Ancillary Paper II Energy Resources	UNIT I COL Spot, collect, identify algal forms, and recognize the ways of utilizing the algal resources for their vocation and irichhood UNIT 2 COZ Compare the similarities and contrast differences between the chosen groups and eventually be able to build logic for understanding and appreciating plant evolution UNIT 3 CO3. Earns the characteristic feature and habitat of fingal groups UNIT 4 CO4. Understands and compares the lifesycle patterns of different fungal groups UNIT 4 CO4. Understands and compares the lifesycle patterns of different fungal groups UNIT 4 CO4. Understands and compares the lifesycle patterns of different fungal groups UNIT 4 CO4. But the students to know the organization of lichen thallus, the evolugical benefits and uses of it, recognizes the causal organism and symptoms of some common plant diseases. UNIT 4 CO4. Earns the structure of Lichen and its importance as pollution indicators. UNIT 2 CO2. Apply the knowledge of plant observation and identify them with characteristic features. UNIT 3 CO3. Earns the structure of Lichen and its importance as pollution indicators. UNIT 3 CO3. Earns the concepts and flicts about various plant groups UNIT 3 CO3. Understand various zones of environment and adaptations of Hydrophytes, Xerophytes and Halophytes to their respective habitat. UNIT 2 CO2. Differentiate positive and negative interrugations UNIT 3 CO3. Understand the structure and function of ecosystem UNIT 3 CO3. Understand the characteristics of Bryophytes and their elastification. Assess the evolutionary features in Bryophytes UNIT 3 CO3. Understand the characteristics of Pythylpytes and general character of primitive groups UNIT 3 CO3. Understand the haracteristics of Wymnoperms and their elastification UNIT 3 CO3. Understand the mapphological diversity of Pheriophytes and conomic importance UNIT 3 CO3. Understand the characteristics of Gymnoperms and their elastification of UNIT 3 CO3. Understand the mapphological diversity of Pheriophytes and conomic importance UNIT 3 CO3. Un
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			U22CB2P U22ABB1 U22CB3 U22CB3 U22CB4P U22CB4P U22CB6P	Practical I Introduction to Ecobiology Bryophytes, Pteridophytes, Gymnosperms And Paleobotany Ancillary Practical - I Practical II Ancillary Paper II Energy Resources Practical III Environmental Studies	UNIT I COL Spot, collect, identify algal forms, and recognize the ways of utilizing the algal resources for their vocation and irichhood UNIT 2 COZ Compare the similarities and contrast differences between the chosen groups and eventually be able to build logic for understanding and appreciating plant evolution UNIT 3 COZ items the characteristic feature and habitat of fingal groups UNIT 4 CO4. Understands and compares the lifesycle patterns of different fungal groups UNIT 4 CO4. Understands and compares the lifesycle patterns of different fungal groups UNIT 5 COX items the students to know the organization of lichen thallus, the evological benefits and uses of it, recognizes the causal organism and symptoms of some common plant diseases. UNIT 1 COI. 2 bits to write technical description of plants to their systemic position. UNIT 2 CO2. Apply the knowledge of plant observation and identify them with characteristic features. UNIT 3 CO3. Event the structure of Lichen and its importance as pollution indicators. UNIT 3 CO3. Event the concepts and fliest about various plant groups UNIT 5 CO3. Event the concepts and fliest about various plant groups UNIT 5 CO3. Understand various xones of environment and adoptations of Hydrophytes, Xerophytes and Halophytes to their respective habitat. UNIT 3 CO3. Understand various xones of environment and adoptations of Hydrophytes, Xerophytes and Halophytes to their respective habitat. UNIT 3 CO3. Understand the structure and function of ecosystem UNIT 4 CO3. Procelyon concept on hydrosect and Xerosec. Causes and basic types of succession. UNIT 5 CO5. Enable students in carry out vegetation studies. UNIT 1 CO1. Understand the characteristics of Bryophytes and general character of primitive groups UNIT 1 CO3. Understand the characteristics of bryophytes and their classification. Assess the evolutionary feature in Bryophytes UNIT 3 CO3. Understand the characteristics of Proprophytes and process of plant the order of the process of plant to the respective plant in the p
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					UNIT 5 CO5: Differentiate the various kinds of endosperm and summarize the embryogeny and polyembryony, apomixis.
					UNIT 1 CO1: Understands the basic knowledge of horticulture UNIT 2 CO2: Learns the techniques of artificial propagation.
			U22NMB1	Horticulture	UNIT 3 CO3: Enable the students to know the preservation methods for storing vegetables.
					UNIT 4 CO4: Understands and recognizes the vegetable growing methods.
					UNIT 5 CO5: Appreciates the art of gardening and develops interest in decoration.
					UNIT 1 C01: Understand the different parts of the plant and their modifications.
			U22CB7	Toyonomy of Angiognous	UNIT 2 CO2: Understand the various systems of classification and appreciates the use of Taxonomy in other branches.
			022CB7	Taxonomy of Angiosperms	UNIT 3 CO3: Analyse the important characteristics and relate the evolutionary relationship among Polypetalae. UNIT 4 CO4: Analyse the important characteristics and relate the evolutionary relationship among Gamopetalae.
					UNIT 5 CO5: Analyse the important characteristics and relates the evolutionary relationship among Monochlamydeae and monocots.
					UNIT I CO1: Able to write technical description of plants and construct Floral diagrams and formulas.
					UNIT 2 CO2: Apply the knowledge of plant observation to their systemic position.
			U22CB8P	Practical IV	UNIT 3 CO3: Learn to compare and differentiate the family characters at generic level
					UNIT 4 CO4: Identify plants belonging to same genera and families, compares monocots and dicots
					UNIT 5 COS: Acquire knowledge in preparing key for plant identification.
					UNIT 1 C01: Describe the applications of plants in a historical, cultural, medicinal, legislative, and global context. UNIT 2 CO2: Critically evaluate the ideas and discussed plant as source of food and medicine.
			U22NMB2	Medicinal Botany	UNIT 3CO3: Identify and learnt medicines obtained from Non-flowering plants.
					UNIT 4 CO4: Identify and learnt medicines obtained from flowering plants.
					UNIT 5 CO5: Acquired knowledge on cultivation and uses of medicinal plants.
					UNIT 1 C01: Understands the basic knowledge of horticulture
				Houtigultum	UNIT 2 CO2: Learns the techniques of artificial propagation.
			U22SEB1	Horticulture	UNIT 3 CO3: Enable the students to know the preservation methods for storing vegetables.
					UNIT 4 CO4: Understands and recognizes the vegetable growing methods. UNIT 5 CO5: Appreciates the art of gardening and develops interest in decoration.
					UNIT 1 CO1 understand tissue morphogenesis and ultimately facilitates to know what happens at the cellular and molecular levels.
					UNIT 2 CO2: Learn the principles in microscopy and the structure, chemistry and
					functions of cellular organelles
				Cell Biology, Genetics and	UNIT 3 CO3: Learn about Mendelian principles
			U22CB9	Evolution	UNIT 4 CO4: understand the different types of genetic interaction, incomplete dominance, codominance, inter allelic genetic interactions,
					multiple alleles and quantitative inheritance
					UNIT 5 COS: Familiarize about Evolution and the emergence of evolutionary
					thoughts
					UNIT 1 CO1: To understand water relations in plants
11	UBOE	R So Potony			UNIT 2 CO2: To give knowledge about Mineral nutrition and the role of minerals in plants
11	ODOE	B.Sc. Botany	U22CB10	Plant Physiology	UNIT 3 CO3: Develop the students, understanding of photosynthesis and pathways of CO2 fixation in plants.
					UNIT 4 CO4: To provide knowledge about respiration and different sources of nitrogen to plants.
					UNIT 5 CO5: Develop the students' appreciation for the complexity of plant growth and development and physiology of flowering in plants. UNIT 1 CO1: Understand the structure and properties of Macromolecules
					UNIT 2 CO2: Learn about the Significance of Carbohydrates, Protein and Lipids.
			U22CB11	Biochemistry and Biophysics	UNIT 3 CO3: Learn the properties of enzymes, enzyme catalysis and Mechanism of enzyme action
					UNIT 4 CO4: Understand the role and function of water soluble and fat soluble vitamins.
					UNIT 5 CO5: Understand the concepts in biophysics
					UNIT 1 CO1: able to write technical description in genetics and solve genetic problems.
			U22CB12P	Provided M	UNIT 2 CO2: apply the knowledge of plant observation to their underline physiological causes.
			UZZCBIZP	Practical V	UNIT 3 CO3: learn the qualitative and quantitative analysis of biomolecules through various lab techniques. UNIT 4 CO4: learn the theories related to evolution and about the different cell organelles and their functions
					UNIT 5 CO5: acquire knowledge in experiments pertaining to biochemistry.
					UNIT 1 CO1:Make decisions and exercise informed judgement in relation to native forest, plantation develop and implement well-justified
					forest management strategies Get awareness on the conservation practices of medicinal plants.
					UNIT 2 CO2:Incorporate the foundational natural and social sciences into decision making, Study the interactions of people and plants.
			U22DSB1A	Forestry and Economic Botany	UNIT 3 CO3:Understand the economic products with special reference to the Botanical name, family, morphology of useful part and the uses, Describe healing and medicinal uses of plants.
					UNIT 4 CO4: Gain knowledge about economic products with special reference to the Botanical name, family, morphology of useful part and the uses, Describe healing and medicinal uses of plants
					uses, Describe healing and medicinal uses of plants
					UNIT 5 CO5: Know about the major and minor ethnic groups or Tribals of India, and their life styles. Gain knowledge on the role of ethnobotany in modern Medicine
					UNIT 1 C01: To appraise the four R's of waste management.
					UNIT 2 CO2: Awareness about biofertilisers and hazards of synthetic fertilizers and pesticides
			U22DSB1B	Environmental Biotechnology	UNIT 3 CO3: Learns the process of Biogas production and its advantages.
					UNIT 4 CO4: Understands and appreciates the use of plant derived fuels.
					UNIT 5 CO5: learns the sewage treatment process and treatment of effluents of textile industry. UNIT 1 COITo appraise the concepts and objectives of organic farming
					UNIT 2 CO2: The importance of organic manures, farm yard manure, compost, advantages of green manure, concentrated manures,
			U22GEB1A	Oursella Francisca	vermicompost, most widely used.
			UZZGEBIA	Organic Farming	UNIT 3 CO3: Learns the characteristics, identification, cultural methods and maintenance of Azospirillum, Azotobacter, Azolla and Anabaena
					UNIT 4 CO4: Understands and appreciates the use of organic and biological methods to control pests and diseases
					UNIT 5 CO5: learns the benefit reducing the usage of fertilizers gradually and usage of integrated of pest management
					UNIT 1 CO1: Describe the applications of plants in a historical, cultural, medicinal, legislative, and global context. UNIT 2 CO2: Critically evaluate the ideas and discussed plant as source of food and medicine.
			U22GEB1B	Medicinal Botany	UNIT 3 CO3:Identify and learnt medicines obtained from Non-flowering plants.
					UNIT 4 CO4: Identify and learnt medicines obtained from flowering plants.
					UNIT 5 CO5: Acquired knowledge on cultivation and uses of medicinal plants.
					UNIT 1 CO1: Understands the basic knowledge of identifying edible mushroom from the poisonous one
			Haasena	Mushroom Cultivation	UNIT 2 CO2: Learns the techniques of mushroom cultivation
			U22SEB2	Musin oom Cuntvation	UNIT 3 CO3: Understands and recognizes the raw materials used for growing mushrooms UNIT 4 CO4: Enable the students to know the preservation methods and marketing of mushrooms
					UNIT 5 COS: Appreciates the nutritive values of mushroom and prepares recipes from it.
					UNIT 1 CO1: Students will be able to acquire, articulate, retain and apply knowledge
					relevant to microbiology. UNIT 2 CO2: Students will acquire and demonstrate competency growth and
			U22CB13	Microboilogy and Pathology	
					reproduction of bacteria.
					UNIT 3 CO3: Students will learn culture medium types and bacterial straining.
					UNIT 4 CO4: Students will make the students to Understand the general characteristics of water and food microbiology. LINET 5 CO5: Students will execute however the provided a produce of frequency and its control measures.
					UNIT 5 CO5: Students will acquire knowledge on diseases affecting plants and its control measures. UNIT 1 CO1: Know and describe the scope and tools of biotechnology.
				ni i ni	UNIT 2 CO2: Understand the gene cloning and it applications.
			U22CB14	Plant Biotechnology and Bioinformatics	UNIT 3 CO3: Gain knowledge on plant biotechnology and gene transfer in plants through microbes.
				Diomormatics	UNIT 4 CO4: Acquires knowledge about Intellectual Property Rights and its uses to society.
					UNIT 5 CO5: Understand bioinformatics and data bases.
					C01: Learn the methods of media preparation CO2: Apply the knowledge of isolation of bacteria.
			U22CB15P	Practical – VI	CO3: Learn the different culture techniques in microbiology.
					CO4: Identify common microbes from diverse natural habitats and isolate microbial culture
					CO5: Acquire knowledge in experiments pertaining to biotechnology and identifying various plant diseases
					UNIT 1 C01: understand the role and functions of microbes in nature and confidently handle microbes for gainful employment as technician and expert
					UNIT 2 CO2: apply their knowledge and training for manipulation of microbes and microbial processes in production and service industries
					UNIT 3 CO3: produce marketable products that they will be job-ready to join large scale and small or can start their own entrepreneurial
			U22DSB2A	Industrial Microboilogy	projects
					UNIT 4 CO4: find their spaces of engagement in the extended domains of food industries and energy production and gain confidence in taking job roles as technicians and managers
					UNIT 5 CO5: to intelligently manipulate microbes in producing vaccines and antibiotics thereby gaining confidence in seeking placements in
					sales and service sector of the pharmaceutical companies
					UNIT 1 CO1: Understand the role and functions of DNA and its replication methods
			U22DSB2B	Molecular Biology and	UNIT 2 CO2: Knows about RNA, its role in transcription process. LINIT 3 CO3: Aware about translation and post translational modifications.
			022D3D2B	Recombinant Technology	UNIT 3 CO3: Aware about translation and post translational modifications UNIT 4 CO4: Admires recombinant technology anddevelops keen interest in gene cloning.
					UNIT 5 CO5: To intelligently manipulate cloning methods and apply it in agriculture.
					UNIT 1 CO1: scientifically and systematically study and investigate botanical elements that have material, cultural and aesthetic values and take
					upon themselves the obligation to upkeep and replenish the dwindling resources
					UNIT 2 CO2: handle issues that are considered serious threats to biodiversity as they would be sensitized to prevent the ongoing onslaughts on nature
					UNIT 3 CO3: creatively participate and contribute to the implementation of national and global initiatives and involve in focussed efforts directed on saving nature and biodiversity
			U22DSB3A	Biodiversity	UNIT 4 CO4: to preserve depleting bioresources and evince interest in proactive and confident engagement in preparing action plans and advocacies aimed to
					conserve the bioresources

						UNIT 5 CO5: wilfully give their time and effort in fulfilling the tasks and goals they set before themselves to befit their training for a meaningful participation and	
ı						wholesome involvement directed at protecting and managing biodiversity UNIT 1 COI: Understand the factors affecting health.	
ı				U22DSB3B	Environmental Related	UNIT 2 CO2: Gains knowledge about water borne diseases and chemicals in water that affect health. UNIT 3 CO3: Learn the types of airborne diseases and control measures.	
ı					Occupational Hazards	UNIT 4 CO4: applies the knowledge about food additives and food preservatives. UNIT 5 CO5: Understands aboutthe occupational health hazards.	
ı						UNIT 1 CO1: Understand the methods used in micrometry, microtomy and staining procedures. UNIT 2 CO2: Gain skills on working principles of pH meter and colorimeter	
ı				U22SEB3	Biological Techniques	UNIT 3 CO3: Learn the technique of centrifugation &its applications UNIT 4 CO4: Gain knowledge about variouschromatographic techniques	
ŀ						UNIT 5 CO5: Understand about radiometry, its application in biological studies. UNIT 1 CO1: Acquisition of information about an origin of the earth and its theory.	
				U22CG1	GEOMORPHOLOGY	UNIT 2 CO2: To understand the theories UNIT 3 CO3: to know about the earth movements	
						UNIT 4 CO4: to collect the informations of geomorphic process UNIT 5 CO5:To identify the evolution of landforms	
				U22CG2P	Practical 1 - REPRESENTATION OF MAP SCALES AND RELIEF		
				U22CG3	CLIMATOLOGY	UNIT I CO1: Understand the importance of weather and climate, composition and structure of atmosphere and know the insolation. UNITE 2 CO2: Know about the pressure belts and the wind system UNIT 3 CO3: Identify the Atmospheric moisture, precipitation and types clouds UNIT 4 CO4: Familiar about the mass and fronts, classification of cyclone and thunderstorms UNIT 5 CO5: Know about the classification of Climate- Greenhouse: Effect and Global warming	
				U22CG4P	Practical II - REPRESENTATION OF CLIMATIC DATA AND WEATHER MAP INTERPRETATION	CO1: Representation of Climatic Data: Climatic graph, Water budget graph, and Climograph. CO2: Hyther Graph, Rainfall dispersion diagram, Ergo Graph and Wind Rose: Simple and Octagonal wind rose. CO3: Maps and Instruments- Weather Elements on map Meteorological signs and symbols- Weather Station model- Salient features of Indian Seasons. CO4: Study of Indian Daily Weather maps: Information - Procedures of interpretation - Interpretation of Indian daily weather Report.	
				U22CG5	OCEANOGRAPHY	CO2: Hyther Graph, Rainfall dispersion diagram, Ergo Graph and Wind Rose: Simple and Octagonal wind rose. CO3: Maps and Instruments- Weather Elements on map Meteorological signs and symbols- Weather Station model: Salient features of Indian Seatons. CO4: Study of Indian Daily Weather maps: Information - Procedures of interpretation - Interpretation of Indian daily weather Report.	
				U22CG6P	Practical III - MAP PROJECTION	UNIT I CO1: Acquire knowledge about the meaning, scope and significance of oceanography and configuration of ocean floor UNIT 2 CO2: understand the Temperature, Salinity and Density of sea water – Atlantic, Pacific and Indian Ocean UNIT 3 CO3: Familiar with Dynamics of Ocean Water – Waves and Tides and Tsunami UNIT 4 CO4: understand the types and general Ocean Currents- Types- Corals UNIT 5 CO5: develop knowledge about the marine deposits and marine resources	
				U22AGGP	Allied Practical - Statistical Diagrams and Maps	UNTF-I CO1 understand the construction methods of different types of directions and bearings UNTF-II CO2 construct and Analyse the measurement of area and measurement of Distance with Thread, Divider and Rotometer methods. UNTF-III CO3: Construct and understand the classification of projections (Cylindrical, Equidistant, Equal area and Mercator's projection) UNTF-IV CO3: Understand to measure the conical, Zenithal, Polyconic, Mollweide and Sinusoidal projections.	
				U22NMG1	NMEI- Fundamentals of Physical Geography	UNIT 2 COT Contestant or intensite in contact, zentual, rotycome, sources, sources, sources and automate projections. UNIT 2 COT Zenty by Definition - Solar System - Splar & Size of the Earth- configuration of land & sea UNIT 2 COZ: Interior of the Earth - Earth Movement - Fold, Fault, Earthquake-Volcanoes UNIT 3 CO3: Rocks - Igneous - Sedimentary- Metamorphic. UNIT 4 CO4: Weathering - Factors - Physical, Chemical, Biological UNIT 5 CO5: Elements of weather and climate - temperature , pressure ,	
				U22CG7	CARTOGRAPHY	UNIT 1 CO1: Develop an idea about the nature , scope , history and modern trends in cartography UNIT 2 CO2: Getting familiar with the latitudes, longitudes local time , standard time and international date line and understanding maps scale and types UNIT 3 CO3: Analyze different types of maps and symbols UNIT 4 CO4: acquire the knowledge about methods of showing in reliefs in maps and explain about survey of India topographical map and its index.	
				U22CG8P	Practical IV - SURVEYING	UNIT 5 CO5: apply the knowledge about projection and classification in preparation of maps CO1: apply the knowledge to conduct the two methods of chain survey CO2: Construct and Analyse the prismatic compass and its applications CO3: understand about plane table survey and constructions of its types. CO4: Understand to measure the height, of the object through (indian clinometers), keeling (dumpy level)	
				U22NMG2	Social - Cultural Geography	CO1: To understand the nature and scope of social geography CO2: To know the structure and process of the space and society CO3: To capian the knowledge of socio- cultural regions of India CO4: To understand the Religion and caste system of India	
				U22S3EG1	POPULATION DATA ANALYSIS	COS: To know the classification of Indian language—language concentration and diversification COI: To understand the Sources of Population data COI: To know the Dynamics of Population COI: To know the Dynamics of Population COI: To know the Dynamics of Population COI: To understand the Population composition - Sex composition Gender Age structure, Literacy, Determinants.	
				U22CG9	WORLD REGIONAL GEOGRAPHY	COS: To know the Occupational composition of population UNIT I COI: Low about ultiflecten types of Regions - understand the specific characteristics about vegetation, animal life of world regions UNIT 2 CO2: Acquire knowledge about Tropical Regions - Monsoon type - Sudan type - Sahara type - Curibbean type UNIT 3 CO3: Analyze the Warm Temperate Regions- Mediterranean type- China type - Tropical Desert type. UNIT 4 CO4: Understand the Cool Temperate Regions- British type, Sherian type and Laurentian type.	
					U22CG10	GEOGRAPHY OF INDIA	UNIT 3 CO5: Explain about the Polar Regions – high land - Tundra type UNIT 1 CO1: Understand the location Physiography, Drainage, Clinitae, and Vegetation of India UNIT 2 CO2: Know the silent feature, problems and prospects of Agriculture. UNIT 3 CO3: Know about the power resources in India. UNIT 4 CO4: Understand the nature of industries and study the spatial Distribution of manufacturing industries in India UNIT 5 CO5: Understand population Composition in India
				U22CG11	HUMAN GEOGRAPHY	CO: Fature and socye understand the branches of Human Geography CO: Row the Concepts of Determinism, Possiblism and Probablism. CO: Altow the State Levels of Culture – Primitive to modern – World cultural Regions. CO: Explain Language, Religion, Race and Distribution CO: Understand the demographic pattern, problems and related theories.	
	12	UGEE	B. Sc Geography	U22CG12P	Practical V - THEMATIC DATA ANALYSIS AND MAP INTERRETATION	CO1: Understand the Statistical method: One dimensional diagrams, Two dimensional diagrams, Three dimensional diagrams, Pyramidal diagrams-pictorial: flow, line pie diagrams with computer assistance CO2: Acquire more knowledge about the draving of isologists-choropleth-chorochromatic and choroschematic maps with computer assistance CO3: Familiar with the cartographic skill through the Methodological signs and symbols of SOI maps. CO4: develop the interpretation skills of SOI maps and OS sheets.	
				U22DSG1A	GEOGRAPHY OF RESOURCES	CO1: Know the difference of Renewable & Non-Renewable resources – and its Significance. CO2: Analyse the population Distribution and Density and understand Problems of Population. CO3: Understand the types of Fishing and distribution and identify the Forests and its conservation to know about the Cattle and Sheep rearing. CO4: Know about the Agriculture – Type and Major crops CO5: identify the Mineral Resources and Energy Resource. Know about the various industries and its Distribution.	
				U22DSG1B	AGRICULTURAL GEOGRAPHY	CO1: understand nature, scope and significance of agricultural geography CO2 acquire knowledge about agricultural determinants modernization of agriculture-green revolution CO3: know the significance von thunen's theory and land use and land capability classification CO4: evaluate the agricultural productivity CO5: understand the regionalization of agriculture	
				U22SEG2	Theory - PRINCIPLES OF GIS & GNSS	CO1: To know about the Concepts: Definition and History of GIS CO2: Learn and practice the Raster and Vector Data Analysis CO3: Examine the Vector Data, Spatial Data Accuracy, Vector data Sources. CO3: Identify the Historical Development of GPS System. CO5: To analyze the Integration techniques - Hardware and Software Platforms	
				U22SEG3P	Practical - FIELD SURVEY AND MAPPING ANALYSIS	CO1: Understand the Ethics, Framing Research Questions, Objectives CO2: Examine the Selection of field and identification of the topic CO3: Apply the knowledge to Field Echemiques CO4: Understand to measure the Qualitative / Quantitative Data Analysis	

			U22CG13	GEOGRAPHY OF SETTLEMENTS	CO1: Nature and scope : to understand the location size and growth has related with nature of Settlements. CO2: Rural settlements : space bound social organization varying from an isolated farmstead CO3: Urban settlements: to study the social organization has much greater scope CO4: Urban morphology : examine the concerned with form, structure and functions of an area CO5: Understand the demographic pattern and problems of urban areas		
			U22CG14	PRINCIPLES OF REMOTE SENSING	CO1: Acquisition of information about an object- area without making physical contact by air crafts and satellite. CO2: To understand the Elements of remote sensing system, sensing of emitted energy and the use of non-imaging sensors CO3: Examine the air photos through ophisticated methods CO4: Refers to the structure of the instruments has mounted CO5: To manage the spatial data with suitable applications		
			U22CG15P	Practical VI - AERIAL PHOTO & SATELLITE IMAGE INTERPRETATION	CO1: Understand the Elements of aerial photographs – Determination of scale, distance, height and area. CO2: Understand different analysis of Interpretation of single vertical photograph – Interpretation of stereo pair CO3: To know the techniques of Marginal information of sealtlie images – Elements of Image Interpretation. CO4: To identify the Interpretation of resources and weather satellite images – image classification		
				U22DSG2A	GEOGRAPHY OF TAMILNADU	CO1: Identify the location, Relief, Drainage, Climate, Types of Soils and Forest of Tamil Nadu CO2: Examine the distribution of various forests, livestock and fisheries in Tamil Nadu CO3: Analyse the irrigation and agricultural resources in Tamil Nadu CO3: Anowledge about the different types mineral and industrial resources in Tamil Nadu CO3: Understand the growth, distribution of population of Tamil Nadu and the various kinds of transportation like land, water and air and trade	
					U22DSG2B	BIOGEOGRAPHY	CO1: Understand the Definition Scope, Origin of Flora and Fauna-Distribution of plant life on the Earth. CO2: To understand The Basic principles, food chain and concept of Biome, Eco – tone and community. CO3: Analysis Biodiversity, Habitat decay, need for conservation and process of Desertification and its Consequences. CO4: Understand the World Biome Topical Forest and grasslands, Temperate grassland and Tropical Desert CO5: understand the Ecological and Environmental Managements
				U22DSG3A	GEOGRAPHY OF ASIA	CO1: To know the idea about the Physical Landscape: Location-importance of its location - Asia is a continent of contrast - Political divisions - Physiographic divisions CO2: To understand Soil: types, characteristics and problems - Agricultural determinants - Major crops and distribution - Asia CO3: To explain the Minerals and Industries, major industries and their location - problems and future. CO4: Acquire more knowledge about the Transport and Trade	
				U22DSG3B	GEOGRAPHY OF	COI: Know the idea about the Travel – Motivation - Meaning and Nature of Tourism - Types of Tourism. CO2: Understand the Elements of Tourism – Attraction, Accessibility, Accommodation and Amenities CO3: Acquire more knowledge about her Travel formalities – Tour Interenty Travel Agencies – Travel Abroad Facilities – Visa, Passport, Bunk restrictions – Traveller's Cheques. COI: Explain the Note of Transport in Tourism Development. COS: observe and recognize Tourism Potentials of India – special reference to India – The role of India Tourism Development Corporation (ITTD) – Indian Tourism Development Corporation of World Tourism Organization (IVTO)	
					GEOGRAPHY OF	CO2: Understand the nature scope and development of health geography. CO2: Find out the Geographical Background of Diseases. CO3: to identify the health risk and exposure	
				U22GEG1A	HEALTH	CO3: Understand classification of diseases. Create Awareness of malnutrition and hygiene. CO5: Understand the Process of health care planning in India.	
				U22GEG1B	Disaster Management	CO1: Knowledge about the hazard, types - natural, manmade and environmental hazards CO2: Understand the effects of global warming and causes of cyclones, flood, drought and tsunamis CO3: Analyze the human impact on agriculture, consequences of deforestation and descritification CO4: Knowledge about the classification of pollutions- air, water and noise pollution CO5: Examine the awareness programmes about the disaster management	
				U22CNI	Basics of Food Science and Nutrition	CO1: Understand the concepts of food, nutrities and functional foods in relation to health CO2: Relate knowledge of macro and micro nutrients with health status and to identify deficiencies CO3: Apply the acquired knowledge on composition and classification of foods in cookery CO4: Hearthy the concept of processing and cooking method to conserve nutrients CO5: Predict the role of foods in cookery	
				U22CN2P	Food Science and Nutrition Practical	CO1: Understand safe handling cleaning, care and use of kitchen, equipments	
				U22ANN1	Nutritional Biochemistry-I	OD: Recall the structure and properties of carbohydrates. COD: Differentiate amino acids and protein based on structure and properties. COD: Differentiate amino acids and protein based on structure and properties. COD: Summarize the pyear and physiological role of lipids. COD: Suppliant the activity of enzymes and co-enzymes of metabolism. COD: Suppliant the activity of enzymes and co-enzymes of metabolism.	
			U22ANN2P	NUtritional Biochemistry Practical	COI - Domonstrate the skills in equilative testing of sugars COI - Esthin skills in performing equalities tests of protein, amino acids and minerals COI - Show desturity in estimating the quantity of reducing sugar COI - Dopplay skill in estimator of volume C in different foods using Colorimeter COS - Estimate the quantity of row and photomes in Sools		
					U22CN3	Human physiology	COJ : Comprehend anatomy of various organs in the human system. COZ : Acquire k tomple dops in functions of genn pystems. COJ : Beache the physiological processes of organ systems. COJ : Appraise the functions of the reproductive system. COJ : Appraise the functions of the reproductive system. COJ : Startie her to equality in food production.
				U22CN4	Food Standards and Quality Control	CO2: Classify different types of feod abulterants CO3: Distinguish food safely regulation in India and other countries CO3: Distinguish food safely regulation in India and other countries CO3: Explain the reactional and international standards: involved in Food quality control CO3: Explain the national and international standards: involved in Food quality control CO3: Describe the various metabolic pulsary of carbohydrates	
				U22ANN3	U22ANN3	Nutritional Biochemistry-II	CO2 : Differentiate the types of nethodic reactions of antion acids. CO3 : Define the metabolic end products of lipsids. CO4 : Explain the biological excitation process. CO5 : Summarize the metabolic gallways of different nutrients. CO5 : Summarize the metabolic gallways of different nutrients.
				U22CN5	Food Production and Service	CO2 : Compare the methods of cooking related to Indian cookery: CO3 : Demonstrate soups, succes and saidar preparations. CO4 : Calculate Food Cost And Minimize Food Loss. CO5 : Apply Knowledge Of Equipment In Food Preparation And Service. CO5 : Apply Knowledge Of Equipment In Food Preparation And Service.	
				U22NMN1	Food Preservation	CO2 Explain the FPO specifications of jams, jellies and narmahudes. CO3: Demonstrate preparations of aguathes and syraps. CO4: Apply the exquered knowledge which preparing jams and jellies. CO5: Develops value added food products. CO5: Develops value added food products. CO5: Apply principles of cooking to various food groups and Preservation techniques.	
				U22CN6P	Food Production and Preservation Practical	COZ : Develop skills techniques in Continental dishes and Indian dishes CO3 : Display the acquired skills in food preparation and service. CO4 : Develop skills and techniques in Preparation of Tandov and its related products CO5 : Develop skills and techniques in Preparation of International cuisine. CO5 : Develop skills and techniques in Preparation of International cuisine.	
				U22CN7	Food Preservation	CO2: Differentiate the various physical methods of preservation using temperature variations and irradiation. CO3: Identify and describe the chemical methods of poperavation. CO3: Associate the use of food addrives with fool preservation. CO5: Demonstrate shalls in the subjective and objective methods of smooty evaluation of foods. CO5: Demonstrate shalls in the subjective and objective methods of smooty evaluation of foods.	
				U22NMN2		CO2 2-Apply healthy eating habits in day to day life CO3 2-Apply healthy eating habits in day to day life CO3 2-Describe the functions, requirements and sources of macro and micro natrients CO3 2-Describe the functions, requirements CO3 2-Describe the functions, requirements CO3 2-Describe the functions of the function of the functi	
				U22SEN1	Interior Decoration	CO2 : Appreciate role of design in interior decoration CO3 : Hontify Colour concepts in all art formsm. CO4 : Apply principles of lighting in interiors. CO5 : Integrate and apply principles of design in home decor	
				U22CN8	LifeSpan Development	COJ : Apply the acquired knowledge on pregnancy in real file situations. COZ : Explain the infractione of raining a classification of the control of the co	
						CO2 : Associate nutritional requirements with various stages of pregnancy and lactation	

			U22CN9	Nutrition Through Life cycle	CO3: Analyze the advantages and disadvantages of breastfeeding over bottle feeding: Discuss about supplementary foods for infants and prevelooders	
					CO4: Identify nutritional requirements for school-going children and adolescents based on growth, development and deficiencies CO5: Predict the special nutritional needs and nutritional deficiencies in geriatrics	
13	UHSE	B.Sc Home Science	U22CN10	Therapeutic Nutrition	COI : Summarize the concepts and principles of diet therapy and the role of a dictition. CO2: Apply the regimelyine of dictient to plan therapeatic dieth for febric conditions and gastroinestinal disorders. CO3: Asses the grades of obesity, underweight and food allegies; Recommend customized dietary modifications. CO4: Describe the symptom, diagnostic esta and complications for dietary management of diabetic mellitus, cardiovascular diseases and hyportension using diet	
					planning tools. COS: Classify the diseases of liver and urinary system based on causes and symptoms and plan diet therapy. COI: Apply knowledge to plan and construct a menus for a balanced meal for families in different income levels.	
			U22CN11P	Dietetics Practical	COZ - Apply knowledge to plan, caloular, prepure, serve and evaluate does for different age groups. COJ - Demonstrate skils in planning, peregrang, serving and evaluation of modified delets. COJ - Demonstrate skils in planning, peregrang, serving and evaluation of destr for deferency conditions. COJ - Demonstrate skils in planning, peregrang, serving and evaluation of destr for different therepeats; conditions.	
			U22DSN1A	Community Nutrition	CO1 - Assess the matritional status of individuals of different age groups. CO2 : Summurise the matritional problems of the Indian Community - causes, prevention and treatment. CO3 : Describe the National schemes and programmes to combat malnutrition.	
					COL Explain the hazards of food adulteration and water pollution and unggest methods to alleviate the hazards. COS Discuss the size of National Policies, Plant of Action and implementation of veifure schemes. COL Sammarize the types of families and different stages of family life cycle COZ Discuss the callenges faced in marrial life	
			U22DSN1B	Family Dynamics	CO3 : Develop positive human relationship CO4 : Describe the custative factors of martial disharmony CO5 : Describe the of permartial and narrial connelling	
			U22SEN1	Entrepreneurship Development	COI : Summarize the types and qualities of an entroprenent CO2: Explain the procedure of starting a beariness. CO2: Describe the role of financing institutions involved in entropreneurship development. CO3: Describe the role of processing institutions involved in entropreneurship development.	
			U22SEN2P	Bakery	COS - Analyse the case histories of successful women entreprenam. OOI : To know the escentials of Blas kinesy and confectionery knowledge COZ : To alseinff the various commodities used in believe, and confectionery preparation COZ : To alternate the methods of cookine in believe and confectionery OOI : To allernate the methods of cookine in believe and confectionery	
			02202.121	Dance,	COS: To differentiate the between selection and identification of raw materials used in bakery and confectionery COS: To classify the cooking equipments used in bakery and confectionery CO: To classify the cooking equipment used in bakery and confectionery CO: Distinguish the type of cartering institutions, food service and comprehend the menu planning techniques.	
			U22CN12	Food Service Management	CO2 : Summarize the types of organizations and leakenship techniques for effective food service management. CO3 : Describe the process and factors involved in personand management. CO3 : Healthy the order of food procurement, storage and issue, understand the maintenance of food inventory. CO3 : Explain the concepts of food out in princing of foods.	
			U22CN13	Extension Education	COI : Sammarize the objectives and principle of Home. Science Estension CO2: Demonstrate by principles of demonstratic deventralization to long governance CO3: Classify extension teaching methods CO3: Classify extension teaching methods CO4: Analyze the principle of demonstration media of communication	
					COS : Formulate a plan of work for the execution of an extension programme COI : Understand the concepts and principles of family resource management CO2 : Interpret time and energy management for work simplification.	
			U22CN14	Family Resource Management	CO3 - Analyse sources of family income and budgeting. CO4 - Develop skills in milty awing and reventments. CO5 - Promote positive consumer behaviour among students. CO5 - Promote positive consumer behaviour among students.	
			U22CN15P	Dietetics Internship & Project	CO2 : Demonstrate skills in planning, calculating natritive value and evaluation of therapeutic diets. CO3 : Exhibit skills in management of a dietary department. CO4: Apply computer skills to plan standard therapeutic diets for hospital kitchens.	
			U22DSN2A	Fundamentals of Textiles and	COS: Interpret nutritional status of printers, plan customered diets and conduct diet counseling. COI: Identify the spot of restalls febres alone on their properties. COI: Define and clearify weever. COI: Define and clearify weever.	
				Clothing	CO1: Sentify the common types of dycing and printing of textiles. CO5: Apply the principles of clothing for various age groups, solve the problem of stains in fabric; CO1: Discuss the ongoing trail development programmes	
			U22DSN2B	Development and Welfare Programmes in India	COI. Discus the ongoing rural devolopment programmes OI. Discuss the ongoing rural devolopment programmes OII. Discuss the ongoing rural devolopment programmes OII. Discuss the ongoing rural devolopment programmes OII. Discuss the ongoing rural devolopment programmes	
			U22DSN3A	Food Packaging	COI : Summarize the finactions and proporties of food pockaging CO2: Compute and sees different food packaging materials CO2: Distinguish various food packaging methods and preformances CO3: Distinguish various food packaging methods and preformances	
			Vaancavan		COS: Integrate knowledge on food haws and standards with consumer behaviour COI: Summunise the general Characteristics of microorganisims CO2: Identify and apply technics to control microbes	
			U22DSN3B Food Microbiology	CO3 Recognise microbial poslulge in various Foods CO4 Distinguish God born infection and intoxecation and apply quality control measures CO5 Explain the beneficial role of microbes in food CO7 Explain the post food of microbes in food CO7 Discoss the role of housekeeping in the houle industry		
			U22GE1A	Housekeeping	CO2 : Sentify types of nom layout and led making procedures. CO3 : Demonstrate skill in cleaning techniques in bounderging. CO4 : Distinguish types of lines, into maintenance and laundy procedure. CO5 : Compute different soft framishings and window treatment.	
			U22GE1B	Front Office & Personnel Management	CO1: Understand the functions of frest office and daties of personnel CO2: Demonstrate front office operations CO3: Handle guest room occupancy and billing procedures	
					CO1: Exhibit communication skills in guest care in frost office CO3: Apply the knodlege on personnel management in various locks of frost office CO1: Discuss the basic concepts of C, operators and Expressions.	
			U22CS1	Programming in C	CO2: Understand the role of managing input and output operations and Control statements CO3: Analyze the working methodology of arrays and String functions. CO4: Understand the concept of user defined functions, structure and union. CO5: have prior knowledge about pointers in c and its working principles.	
			U22CS2P	Programming in C Lab	Remember the program structure of C with its syntax and semantics Understand the programming principles in C (data) types, operators, branching and looping, arrays, functions, structures, pointers and files) Apply the programming principles learnt in real-time problems Analyze the various methods of solving a problem and choose the best method	
			U22ASS1	Digital Electronics	Code, debug and test the programs with appropriate CO1: Describe the basics of Number System and Codes. CO2: Understand the concepts of Boolean Algebra and K-Maps.	
			U22A351	Digital Electronics	CO3: Analyze the purpose and applications of Combinational and Sequential Logic CO4: Discuss the various Combinational and Sequential Logic CO5: Explain the purpose of Passive Elements. On completion of this course, students will	
			U22CS3P	Office Automation Lab	Possess the knowledge on the basics of computers and its components Gain knowledge or Certaing Documents of Computers and its Components Learn the concepts of Database and implement the Query in Database. Demonstrate the understanding of different automation tools.	
			U22CS4	Object Orient Programming with C++	CO1: Describe the basics of Object Oriented Programming CO2: Understand and apply concepts of objects, arrays, functions and constructors within a class CO3: Demonstrate ability to implement overloading and inheritance	
					CO4: Analyze and utilize the concept of Pointers, Virtual Functions and I/O Operations CO5: Discuss the File stream operations and Templates CO1: Describe the basics of Object Oriented Programming	
			U22CS5P	Programming in C++ Lab	CO2: Understand and apply concepts of objects, arrays, functions and constructors within a class CO3: Demonstrate ability to implement overloading and inheritance CO4: Analyze and utilize the concept of Pointers, Virtual Functions and I/O Operations CO5: Discuss the File stream operations and Templates	
				U22CS6	Data Structures and Algorithms	CO1: Describe the basics of Object Oriented Programming CO2: Understand and apply concepts of objects, arrays, functions and constructors within a class CO3: Demonstrate ability to implement overloading and inheritance CO4: Analyze and utilize the concept of Pointers, Virtual Functions and I/O Operations
			U22ASS2	Mathematical Foundations	COS: Discuss the File stream operations and Templates OI: Represent the sets, operations on sex, verying basis law using Venn Dagrams CO2: Understand the relationship between sets, operations on relations, Representing the relationships with Hasse Diagrams and finding closure using Warshalls Algorithm. To have introduction to Lattices CO3: impart knowledge on driving Truth Tables, equivalence of formulas and Quantifiers. CO3: impart knowledge on driving Truth Tables, equivalence of formulas and Quantifiers.	
			U22CS7	Computer System Architecture	COS. Introduce special types of Graph — Tree and basic terminologies, essential theorems on Trees. CO1:Impart knowledge on registers, notruction, timing and control CO2: Understand types of Integrapes, operators, and subroutine and to illustrate the working scenario of assembler CO3:Understand the instruction formats, Addressing modes, Data transfer & manipulation instructions and RISC CO4:Illustrate interrupt concepts and OMA MO OC4:Illustrate interrupt concepts and OMA	
					COS.Illustrate interrupt concepts and DMA COS.Illustrate memory hierarchy and its working fashion	

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			U22CS8	Operating System	CO1:Impurt knowledge on operating systems, its types and process scheduling CO2: Understand the CPU scheduling cocepts and related algorithms CO3:Analyse the impact of deatlock and mechanisms to handle them CO3 Analyse the impact of memory musagement
					COS:Explain file system management
					CO1:Knows the basic concept in VB Concept of resources in VB Knows Design concept. Concept of GUI based events CO2:Understand the concept of DDL operations. Understand the Connection to the DATABASE.
			U22CS9P	Visual Basic Lab	CO3:Concept of list Creating Menu Editor CO4:Concept of adding images.
					CO5 : Understand the table creation
					CO1: Define System Software and Discuss about machine architectures of SIC and SIC / XE systems. CO2: Discuss about the Assembler basic functions, algorithms, data structures, features and various types of assemblers.
			U22ASS3	System Software	CO3: Understanding the role of various Loaders functions and features. CO4: Describe the Macro Processor functions and features.
					COS: Analyze the role of Compiler.
	UCSE	B.Sc Computer	U22NMS1	Information Technology	CO1: Describe the basics of Computer Networks
			U22CS10	Computer Networks	CO2: Analyze Physical Layer of Transmission Media CO3: Understanding Data Link Layer , Design Issues and Error Correction
				·	CO4: Analyze various Routing Algorithms and Quality of Service CO5: Discuss about the Transport Layer and Application Layer
					CO1: Describe the purpose of Database System, Database Architecture and basics of Relational Model.
14			U22CS11	Database Management System	CO2: Understand the concepts of SQL. CO3: Explain the purpose of Relational Query Languages and ER Model
14	UCSE	Science			CO4: Analyze the purpose of Normalization and discuss about various Normal Forms. CO5: Discuss about the storage and file structure, Indexing and Hashing techniques.
			U22CS12P	ORACLE Lab	
					CO1: Represent the various aggregation methods on group of numbers CO2: Understand the concepts of curve fitting line, curve and parabola.
			U22ASS4	Probability & Statistics	CO3: Impart knowledge on finding relationship between attributes through correlation and regression. CO4: Study on probability, random variables, expectations and moment generating functions
					CO5: Introduce special types of distributions – binomial, Poisson and normal. 1 Understand about IoT its Architecture and its Applications
			U22NMS2	Internet at your Finger Tips	Understand basic electronics used in IoT & its role Develop applications with Cusing Arduino IDE.
			UZZIMSZ	internet at your ringer rips	4 Analyze about sensors and actuators
			U22SES1	Assembly Language Processor Lab	5 Design IoT in real time applications using today's internet & wireless technologies
					CO1: Describe the basics of software engineering and plan the organizational and development process CO2: Analyze various software cost estimation and staffing Level estimation
			U22CS13	Software Engineering	CO3: Understand the software requirement definitions CO4: Analyze various software design
					CO5: Discuss about the verification and validation techniques
					CO1: Introduce the basic concepts of Web and PHP CO2: Elaborate the usage of basic data types, Functions, Arrays, Strings, Date and Times, Regular Expressions of PHP
			U22CS14	PHP and MySQL Programming	CO3: Discuss the basic concepts of Object Oriented Programming CO4: Demonstrate the Database manipulation and MYSQL queries
					CO5: Describe Report Generation in PHP Learn the PHP Three tier Architecture, PHP Scripting language Condition and Branches, Loops basics of computer, Construct the structure of the required
					things in computer, learn how to use it. Develop PHP scripting Language
			U22CS15P	PHP and MySQL Programming Lab	Concept of Oog, SQL, MySQL Queries Work with Querying Database, Processing User Input, PEAR Overview, Core Components, Packages, Writing to Web databases
					Usage of Operating system in information technology which really acts as a interpreter between software and hardware.
					CO1: Describe the applications of computer graphics concepts in the development of computer games, information visualization, and business applications, and discuss the overview of Display devices, Input devices and Hard copy devices
			U22DSS1A	Computer Graphics	CO2: Analyze and provide an understanding to draw the various shapes and fill the shapes using various algorithms.
					CO3: Understanding the Attributes of Output Primitives, Inquiry Functions and Anti aliasing. CO4: Analyze and comprehend the two dimensional graphics and their transformations as well as other transformations.
					COS: Discuss and provide an better analogy of mapping from a world coordinates to device coordinates, and clipping COI: Understand the problem domain, problem formulation and introducing intelligent agents
			U22DSS1B	Artificial Intelligence	CO2: Analyze the functioning of various searching methodologies in AI CO3: Impart knowledge on various reasoning methodologies
					CO4: Analyze the uncertain knowledge and ways to handling them CO5: Impart knowledge on learning; To illustrate expert systems, its components and working methodology.
			U22GESIA U22GESIR	Human Resourse Management Management Information System	
			U22GES1A U22GES1B	Human Resourse Management Management Information System	Understand the fundamentals of Digital Image Processing
					2 Understand the mathematical foundations for digital image representation, image equisition, image transformation, and image enhancement Apply Design and Implement and get solutions for digital image processing problems
			U22GES1B	Management Information System	2 Understand the mathematical foundations for digital image representation, image equisition, image transformation, and image enhancement Apply Design and implement and get solutions for digital image processing problems Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolutions process and recognite the objects
			U22GES1B	Management Information System	2 Understand the mathematical foundations for digital image representation, image quisition, image transformation, and image enhancement Apply Design and Implement and get solutions for digital image processing problems Apply the concept of filtering and segmentation for digital image retrieval
			U22GES1B	Management Information System	2 Undestand the mathematical foundations for digital image representation, image causistion, image transformation, and image enhancement Apply Design and Implement and get solutions for digital image represent groups and a segmentation for digital image retrieval Explore the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Merical resolution process and recognize the objects COI: Define the Appler fundamentals, GOI applications and AWT components. COI: Define the concept solution grows and Java database connectivity. COI: Understand the concept Services.
			U22GES1B U22SES2 U22CS16	Management Information System Image Processing Tool-Lab Advanced Java Programming	2 Understand the mathematical foundations for digital image representation, image cquisition, image transformation, and image enhancement Apply Design and implement and get solutions for digital image processing problems Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolutions process and recognize the objects [CO1: Define the Apples fundamentals, GUI applications and AWT components. CO2: Decisses about Networking in pass and Dava dutabase connectivity.
			U22GES1B U22SES2	Management Information System Image Processing Tool-Lab	2 Understand the mathematical foundations for digital image representation, image causistion, image transformation, and image enhancement Apply Design and Implement and get obtaines for digital image precisesing problems Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognize the objects CO1: Define the Applet fundamentals, CO1 applications and AWT components. CO2: Discuss about Networking in pass and Java database connectivity. CO3: Understand the concepts SP and HTTP CO3: Discuss about the Way programming on client side and serverside. CO3: Discuss the Way the programming on client side and serverside.
			U22GES1B U22SES2 U22CS16	Management Information System Image Processing Tool-Lab Advanced Java Programming	2 Understand the mathematical foundations for digital image representation, image causistion, image transformation, and image enhancement Apply Design and Implement and get obtaines for digital image precisesing problems Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognize the objects CO2: Discuss about Networking in pays and Java database connectivity. CO3: Understand the concepts Services. CO4: Understand the concepts Services. CO4: Understand the workpress and recognized to the concept services. CO5: Discuss about the Web programming on client side and serverside. CO5: Discuss about the Web programming or literal side and serverside. CO5: Discuss about the Web programming functions and control structures. CO5: Understand Strings, Multiple and immutable objects. CO5: Understand Strings, Multiple and immutable objects.
			U22GES1B U22SES2 U22CS16 U22CSPW	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project	2 Understand the mathematical foundations for digital image representation, image cquisition, image transformation, and image enhancement Apply Decign and Implement and get solutions for digital image precisealing problems. Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolutions process and recognite the objects [COI: Define the Apples fundamentals, GUI applications and AWT components. [COI: Define the Apples fundamentals, GUI applications and AWT components. [COI: Define the Concepts IWF and IVI TOP. [COI: Define the Concepts IWF and IVI TOP. [COI: Understand the concepts IWF and IVI TOP. [COI: Describe the basic concepts IWF and IVI TOP. [COI: Describe the basic concepts IWF and IVI TOP. [COI: Describe the basic concepts of python programming. Functions and control structures. [COI: Understand the and IVI Top. IVI Top
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply Decign and Implement and get obtains for digital image precisesing problem Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognite the objects [COI: Define the Applet fundamentals, COI applications and AWT components. [COI: Decises about Networking in java and Java database connectivity. [COI: Understand the concepts ISP and IFTTP. [COS: Discuss about the Web programming on client side and serverside. [COI: Describe the basic concepts of python programming. Functions and control structures. [COI: Understand the application of the programming on the concepts of the programming on the programming the programming on the programming on the programming on the programming on the programming the
			U22GES1B U22SES2 U22CS16 U22CSPW	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply Decign and Implement and get obtains for digital image precisesing problem Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognite the objects [COI: Define the Applet fundamentals, COI applications and AWT components. [COI: Decises about Networking in java and Java database connectivity. [COI: Understand the concepts ISP and IFTTP. [COS: Discuss about the Web programming on client side and serverside. [COI: Describe the basic concepts of python programming. Functions and control structures. [COI: Understand the application of the programming on the concepts of the programming on the programming the programming on the programming on the programming on the programming on the programming the
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming	2 Understand the mathematical foundations for digital image representation, image cuparition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image pretived Apply the concepts of filtering and segmentation for digital image retrived Explore the concepts of Multi-resolution process and recognite the objects COI: Define the Applet fundamentals, GUI applications and AWT components. CO2: Decisas about Networking in java and Dava database connectivity. CO3: Understand the concepts RP and HTTP. CO3: Decisas about the Web programming on client side and serverside. COI: Describ the basic concepts of python programming. Functions and control structures. CO2: Understand frequency and immutable objects. CO3: Understand Recursion and Files and exception. CO3: Decis Recursion and Files and exception. CO4: Decis Recursion and Files and exception and inheritance. CO5: Apply python for collecting information from twitter, sharing data using sockets, managing database, and mobile application for android.
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security	2 Understand the mathematical foundations for digital image representation, image cuparition, image transformation, and image enhancement Apply Decign and Implement and get obtains for digital image processing problem Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognite the objects COI: Define the Applet fundamentals, GUI applications and AWT components. CO2: Deciss about Networking in java and Java database connectivity. CO3: Understand the concepts RP and HTTP. CO3: Deciss about the Web programming on client side and serverside. CO1: Describ the basic concepts of python programming. Functions and control structures. CO2: Understand Brecursion and Tries and exception. CO3: Understand Brecursion and Tries and exception. CO3: Describ the Describ the data of the side of the sid
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply Decign and Implement and get obtains for digital image precisesing problem Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognite the objects CO1: Define the Applet fundamentals, GUI applications and AWT components. CO2: Decises about Networking in java and Java database connectivity. CO3: Understand the concepts SP and HTTP. CO5: Decises about the Web programming on client side and serverside. CO1: Describ the basic concepts of python programming. Functions and control structures. CO2: Understand Brecursion and Files and exception. CO3: Understand Brecursion and Files and exception. CO3: Decises about and Files and exception. CO3: Decises about and Files and exception. CO3: Decises the second programming functions and control structures. CO3: Understand Recursion and Files and exception. CO3: Decises the second programming functions and inheritance. CO3: Decises about Networking in grow and Java database connectivity. CO3: Decises about Networking in java and Java database connectivity. CO3: Decises about Networking in java and Java database connectivity. CO3: Understand Recursion and Files and Co2: Decises about Networking in java and Java database connectivity. CO3: Understand Recursion and Revolutions and AWT components. CO3: Decises about Networking in java and Java database connectivity. CO3: Understand Recognity SP and HTTP.
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply Design and Implement and get obtaines for digital image precises in problems. Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognite to objects. CO1: Define the Applet fundamentals, CU1 applications and AWT components. CO2: Deacess about Networking in jays and Java database connectivity. CO3: Understand for energets PSF and HTTP. CO5: Discuss about the Web programming on citent side and serverside. CO2: Understand Strings, Multiable and immutable objects. CO3: Understand Strings, Multiable and immutable objects. CO4: Discuss classes, objects, polymorphism, encapsulation and inheritance. CO5: Apply sython for collecting information from twitter, sharing data using sockets, managing database, and mobile application for android. CO5: Apply sython for collecting information from twitter, sharing data using sockets, managing database, and mobile application for android. CO1: Define the Applet fundamentals, CU1 applications and AWT components. CO2: Discuss about Networking in jays and Java database connectivity. CO3: Understand George Servels.
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognite the objects CO1: Define the Applet fundamentals, GUI applications and AWT components. CO2: Decises about Networking in java and Java database connectivity. CO3: Understand the concepts SP and JITTP. CO5: Decises about the Web programming on client iside and serverside. CO1: Define the Applet fundamentals and exception. CO2: Understand the concepts SP and JITTP. CO3: Decises about the Web programming on client indee and serverside. CO3: Understand Recursion and Files and exception. CO3: Understand Recursion and Files and exception. CO3: Decises about the Web programming functions and control structures. CO3: Understand Recursion and Files and exception. CO3: Decises the serversion of the serverside and immutable objects. CO3: Understand Recursion and Files and exception. CO4: Decises about the Web programming functions and inheritance. CO5: Apply python for collecting information from twitter, sharing data using sockets, managing database, and mobile application for android.
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B U22DSS3AP U22DSS3BP U22SES3P	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming Data Mining Tool-Lab	2 Understand the mathematical foundations for digital image representation, image cuparition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolution process and recognite the objects CO1: Define the Applet fundamentals, COI applications and AWT components. CO2: Decises about Networking in para and Java database connectivity. CO3: Understand the concepts SP and JETTP. CO5: Decises about the Web programming on client side and serverside. CO1: Decises about not application of the concepts SP and JETTP. CO5: Decises about not well and immutable objects. CO3: Understand Recursion and Files and exception. CO3: Understand Recursion and Files and exception. CO3: Decises about not programming functions and control structures. CO3: Understand Recursion and Files and exception. CO3: Decises the serve and programming functions and control structures. CO3: Decises the concepts SP and immutable objects. CO3: Decises the serve and programming functions and inheritance. CO5: Apply python for collecting information from twitter, sharing data using sockets, managing database, and mobile application for android. CO6: Decises about Networking in java and Java database connectivity. CO3: Understand Recomposity in java and Java database connectivity. CO3: Understand the concepts SP and HTTP. CO5: Discuss about the Web programming on client side and serverside.
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B U22DSS3AP	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of filtering and segmentation for digital amage retrieval Explore the concepts of Multi-resolutions process and recognize the objects COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Start the concept SP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describ the basic concepts SP and HTTP. COS: Discuss about the Web programming on client side and serverside in the concept SP and Training and the concept SP and Training and the serverside in the size concepts of python programming. Functions and control structures. COI: Describ the basic concepts SP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describ the size concepts of python programming. Functions and control structures. COI: Describ the size concepts of python programming. Functions and control structures. COI: Describ the size concepts of python programming for control structures. COI: Describ the size concepts of python programming for control structures. COI: Describ the size concepts of python programming for control structures. COI: Describ the size concepts of python programming for control structures. COI: Describ the size concepts of python programming for control structures. COI: Describ the size concepts of python programming for control structures. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B U22DSS3AP U22DSS3BP U22SES3P	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming Data Mining Tool-Lab	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-resolutions process and recognite the objects COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Describe the concepts RP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the basic concepts RP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the structures and the structures and control structures. COI: Describe the structures and the structures and control structures. COI: Describe the structures and the structures are control structures. COI: Describe the structures and the structures are control structures. COI: Describe the structures and the structures are control structures. COI: Describe the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Concepts RP and HTTP. COI: Define the Conce
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B U22DSS3AP U22DSS3BP U22SES3P	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming Data Mining Tool-Lab	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply Decign and Implement and get obtains for digital image retrieval Explore the concepts of Multi-resolutions process and recognite the objects CO1: Define the Applet fundamentals, GOI applications and AWT components. CO2: Deciss about Networking in para and Ivan darknet of CO3: Understand the concepts SP and IFTP. CO3: Discuss about the Web programming on client side and serverside. CO3: Describe the basic concepts SP and IFTP. CO5: Describe the basic concepts of python programming. Functions and control structures. CO5: Understand Recursion and Files and exception. CO5: Describe the basic concepts and the concepts SP and the special concepts SP and the SP and the special concepts SP and the special concepts SP and the special concepts SP and the SP and the special concepts SP and the special concepts SP and the special concepts SP and the special concepts SP and the special concepts SP and the special c
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B U22DSS3AP U22DSS3BP U22SES3P	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming Data Mining Tool-Lab	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of Multi-residuation process and recognize the objects CDI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Describe the two concepts SP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describe the basic concepts SP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the structure of python programming. Functions and control structures. COI: Define the Applet fundamentals, GUI applications in distribution of managing database, and mobile application for android. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Defi
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B U22DSS3AP U22DSS3BP U22SES3P U22CU1	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming Data Mining Tool-Lab PROGRAMMING IN C	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Esplore the concepts of Multi-resolutions process and recognite the objects COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Describe the concepts RP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Describe the concepts RP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describe the basic concepts of python programming. Functions and control structures. COI: Understand Recursion and Fries and exception. COI: Describe the basic concepts and exception. COI: Describe the page of transmission. Control structures are concepts and programming on client side and serverside. COI: Describe the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Understand the concepts RP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Understand programming concepts by learning algorithms and flowcharts. COI: Understand programming concepts by learning algorithms and flowcharts. COI: Understand programming concepts by learning algorithms and flowcharts. COI: Understand programming concepts by learning algorithms and flowcharts. COI: Understand programming concepts by learning algorithms and flowcha
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B U22DSS3AP U22DSS3BP U22SES3P U22CU1	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming Data Mining Tool-Lab PROGRAMMING IN C	2 Understand the mathematical foundations for digital image representation, image quisition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Explore the concepts of filtering and segmentation for digital amge retrieval Explore the concepts of Multi-residuolism process and recognize the objects COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Describ the the concepts SP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describ the basis concepts of python programming. Functions and control structures. COI: Describ the basis concepts of python programming functions and control structures. COI: Describ the basis concepts of python programming. Functions and control structures. COI: Describ the basis concepts of python programming. Functions and control structures. COI: Describ the basis concepts of python programming. Functions and control structures. COI: Describ the basis concepts of python programming. Functions and control structures. COI: Describ the basis concepts of python programming. Functions and control structures. COI: Describ the basis concepts of python programming functions and control structures. COI: Describ the basis concepts of python programming functions and control structures. COI: Describ the Concepts python for collecting aformation from twitter, sharing data using sockets. managing database, and mobile application for android. COI: Define the Applet fundamentals, CUI applications and AWT components. COI: Define the Applet fundamentals, CUI applications and AWT components. COI: Define the Applet fundamentals, CUI applications and AWT components. COI: Define the Applet fundamentals, CUI applications and AWT components. COI: Define the Applet fundamentals, CUI applications and AWT components. COI: Define the Applet fundamentals, CUI applications and AWT components.
			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2B U22DSS3AP U22DSS3BP U22SES3P U22CU1	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming Data Mining Tool-Lab PROGRAMMING IN C DISCRETE MATHEMATICS	2 Understand the mathematical foundations for digital image representation, image capasition, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Esplore the concepts of Multi-resolution process and recognite the objects COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Describ the concepts RP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describ the basic concepts of python programming. Functions and control structures. COI: Describ the state concepts and an immutable objects. COI: Describ the state concepts and immutable objects. COI: Describ the state objects and immutable objects. COI: Describ the object includementals, GUI applications and have training data using sockets, managing database, and mobile application for android. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and A
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			U22GES1B U22SES2 U22CS16 U22CSPW U22DSS2A U22DSS2A U22DSS3AP U22DSS3AP U22DSS3P U22CU1 U22AUU1 U22AUU1	Management Information System Image Processing Tool-Lab Advanced Java Programming Major Project Python Programming Network Security Advanced Java Programming Lab Network Lab and Android Programming Data Mining Tool-Lab PROGRAMMING IN C DISCRETE MATHEMATICS OBJECT ORIENTED PROGRAMMING WITH C++ PROBABILITY AND STATISTICS	2 Understand the mathematical foundations for digital image representation, image transformation, and image enhancement Apply the concepts of filtering and segmentation for digital image retrieval Esplore the concepts of Multi-resolutions process and recognize the objects COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Describ the concepts RP and HTTP. COS: Discuss about the Web programming on client side and serverside. COI: Describ the basic concepts of python programming. Functions and control structures. COI: Describ the basic concepts of python programming. Functions and control structures. COI: Describ the basic concepts of python programming. Functions and control structures. COI: Describ the suscess, objects, polymorphism, encapsulation and inheritance. COI: Describ the suscess, objects, polymorphism, encapsulation and inheritance. COI: Describ the suscess, objects, polymorphism, encapsulation and inheritance. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and AWT components. COI: Define the Applet fundamentals, GUI applications and serverside. COI: Understand the concepts RP and HTTP. COI: Discuss about the Web programming concepts by learning algorithms and flowcharts. COI: Understand use of function, pointers, str
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			U22AUU3	E-COMMERCE	CO3: Make ethical decisions related to e-commerce based on laws, privacy, and security. CO4: Explain the steps, tools, and security considerations needed to start selling online.	
					CO5: Discuss various types of digital documents.	
			U22NMU1	COMPUTER FUNDAMENTALS	CO1: Gain knowledge on data representation and Binary codes used. CO2: Ability to apply Boolean algebra in circuit design. CO3: Acquaintance of Knowledge to design combinational and sequential circuits. CO4: Understanding the hardware used in computer arithmetic. CO5: Familiarity in information storage and retrieval concepts.	
				U22CU8	DATA STRUCTURES	CO1: Understand the sorting and searching algorithms. CO2: Apply and implement stacks and queue. CO3: Understand the different types of linked lists. CO4: Study about trees. CO5: Analyze different graphs. Its tree traversal.
			U22CU9	DIGITAL PRINCIPLES AND COMPUTER ORGANISATION	CO1: Define the basic components of a digital computer and their function CO2: Enhance knowledge on simplifying digital circuits. CO3: Apply Booloan algebra in design of gates. CO4: Simplify and solve the logical expressions. CO5: Design various counters.	
			U22AUU4	COMPUTER BASED FINANCIAL ACCOUNTING	CO1: Knowing the fundamentals accounting. CO2: Preparation of journal, ledger and trial balance. CO3: Understanding the types of subsidiary books. CO4: Acquiring knowledge on Tally. CO5: Having clear idea of preparing final accounts of individuals.	
			U22NMU2	INTERNET AND ITS APPLICATIONS	CO1: learning the basic concepts of computer network and its topologies to accesss CO2: introducing communication media and its principles CO3: Able to understand the internet accessing methodologies CO4: Able to realize the revolution of Internet in Mobile Devices, Clouds using mail services CO5: Understand the value added networks with its working principle and applications	
15	UCAE	BCA	SU53	DATABASE MANAGEMENT SYSTEMS	CO1: Familiar with the file database management systems and its applications. CO2: Understand the various models like E-R model. CO3: Master the basics of SQ1 and construct quaries using SQ1. CO4: Design a relational database schema using SQ1. for a given problem-domain CO5:Understand the concept of concurrency control of database processing	
			U22CU11	OPERATING SYSTEMS	CO1: Analyze the concepts of file management. CO2: Implement security aspects in appropriate situations. CO3: Discuss various other operating systems. CO4: Apply, knowledge gained through processor scheduling to other applications. CO3: Apply imilitations of operating systems.	
			U22CU12	COMPUTER NETWORKS	CO1: Discuss the introduction of networking concepts. CO2: Analyze in detail transmission media CC3: Examine the layers design and CRC. CO4: Recongrize the network routing algorithm and their effectiveness. CO5: Assess the internet domains and its services for any domain.	
			U22CU14P	WEB PROGRAMMING WITH PHP	CO1: Understand the general concepts of PHP three-tier architecture and PHP. CO2: Use PHP logical and comparison operators, branching structures programs for developing(Effswitch), and loop structures (for, for each, do, dowholl-) Programs. CO3: Erecit Database using MySQL for any required applications with OOPS concepts. CO4: Construct PHP program to connect and query database. CO5: Understand, develop to web application using PHP and validate them.	
			EU51	PROGRAMMING WITH .NET	CO1: Knowledge about the .NET framework. CO2: Ability to analyze the structure of a .NET. CO3: Programming skills development for n-tier architecture. CO4: Design and develop Web based applications and its validations. CO5: Capable of integrating webpages with database using ADO Net.	
			U22DSU2B	ARTIFICIAL NEURAL NETWORKS	CO1: Introductions of learning and training neurons. CO2: Understanding various models of neural networks. CO3: Explore applications network models for various domains. CO4: Analysis of back propagation methods scrutiny. CO5:Implementation Applications of neural network concepts	
			U22SEU3	COMPUTER GRAPHICS	CO1: Gain proficiency computer graphics and graphics devices CO2: Understand about the primitive drawing and its generation algorithms CO3: Enhance the perspective of modern computer system with modeling, analysis and interpretation of 2D and 3D visual information. CO3: Able to develop clipping and viewing process CO5: Gain the knowledge of 3D and its transformations	
				U22DSU1C	SYSTEM SOFTWARE	CO1: To know about the translation instructions and computers CO2: To study about the assembler and its functions CO3: Understand and identify the types of loaders and their functions CO3: Analyse about macro processors CO5: Know about the working principle of compiler
			U22CU15	SOFTWARE ENGINEERING	CO1: Acquire fundamental knowledge in software engineering. CO2: Estimating and analysing the cost for software. CO3: Effectively demonstrate competence in communication, planning, analysis, design, construction, testing and deployment CO4: Adapt to design notations and techniques CO5: Incorporating testing, verification and validation techniques into a software	
			U22CU16	DATA WAREHOUSING AND MINING	CO1: Know about the data warehouse and its architecture CO2: Understand the data mining definitions, techniques and its challenges CO3: Familiar with how to find and group any data set CO4: Designing and using various classification methods and prediction methods CO5:Apply data mining techniques to all real time applications	
			U22DSU2C	DIGITAL IMAGE PROCESSING	CO1: Understand the image conversion approaches. CO2: Build knowledge about pixels and signal passing methodologies. CO3: Learn to develop color image processing approaches using Image CO4: Understands various processing involved in analyzing digital images CO5: Capable of segmating image based on its boundaries.	