VIMALA COLLEGE (AUTONOMOUS), THRISSUR

PROGRAMME OUTCOMES, PROGRAMME SPECIFIC OUTCOMES& COURSE OUTCOMES

2019-2020

PROGRAMME OUTCOME: UG At the end of a UG programme, a student would have:

- 1. Acquired good subject knowledge
- 2. Cultivated an intellectual curiosity and love for learning
- 3. Established a sound foundation for higher learning
- 4. Comprehended the nuances of research
- 5. Attained language skills and ability for effective communication
- 6. Obtained problem solving and analytical skills
- 7. Ability to function in multidisciplinary domains
- 8. Imbibed sound values and principles
- 9. Capability to apply knowledge and learning for environmental sustenance
- 10. Ability to collaborate for common good and social welfare

PROGRAMME OUTCOME: PG

At the end of a postgraduate programme, the student would have :

- 1. Acquired in-depth discipline knowledge
- 2. Cultivated a passion and yearning for lifelong learning
- 3. Procured current awareness and global perspective
- 4. Become adept at sourcing and utilizing information
- 5. Internalized research acumen
- 6. Acquired the expertise to apply knowledge for environmental sustenance
- 7. Inculcated the ability to function in multidisciplinary domains
- 8. Attained the maturity and prudence to respond to one's calling
- 9. Harnessed the ability to collaborate for common good and social welfare
- 10. Imbibed professional and ethical responsibilities

<u>M A ENGLISH</u> PROGRAMME SPECIFIC OUTCOMES

PSO1	Know the recent developments in language and literature
PSO2	Develop theory based evaluation and analysis of literary texts
PSO3	Interpret the structure and evolution of language from different points of views
PSO4	Understand the historical development of English literature from Old English to the present
PSO5	Employ the acquired knowledge in criticism and interpretation in a variety of contexts

PROGRAMME	PROGRAMME	COURSES	OUTCOME
	SPECIALIZATION		
MA	ENGLISH	ENG1CO1	Outline the literary characteristics
		BRITISH	from the age of Chaucer to
		LITERATURE	Eighteenth Century
		FROM THE AGE OF	
		CHAUCER TO THE	
		EIGHTEENTH	
		CENTURY	
			Comprehend the works of major
			poets of the Eighteenth Century
			Analyze the growth of different
			types of poetry during from
			Chaucer Eighteenth Century
			Infer the social and political
			concerns embedded in the plays of
			eminent playwrights.
		ENG1CO2	Outline the history and literary
		BRITISH	characteristics of the Romantic and
		LITERATURE: THE	Victorian Age
		NINETEENTH	
		CENTURY	
			Comprehend the works of major
			poets of the Nineteenth Century.
			Infer the social and political
			concerns embedded in the prose
			passages and plays
			Evaluate different nuances present
			in Nineteenth Century fiction
			writings

ENC1CO2	Indepetend the enterin of longuage
ENG1CO3	Understand the origin of language
HISTORY OF	through the various related theories.
ENGLISH	
LANGUAGE	
	Locate the evolution of language
	and its functional aspects.
	Comprehend the significance of
	linguistics as a tool in the study of
	language.
ENG1CO4 INDIAN	Understand the history and
LITERATURE IN	evolution of Indian English
ENGLISH	Literature
ENGLISH	
	Develop an overview of the
	different genres of Indian writing in
	English
	Analyse the socio-political and
	cultural concerns embedded in the
	writings of India
	Identify the elements of Indianness
	in the different writings of India
ENG2CO5	Understand the literary
TWENTIETH	characteristics of Twentieth
CENTURY	Century
LITERATURE UP	Century
TO WORLD WAR II	
	Comprehend the works of major
 	poets of the Twentieth Century.
	Infer the social and political
	concerns embedded in the plays of
	eminent playwrights.
	Evaluate different nuances present
	in Twentieth Century fiction
	writings
ENG2CO6	Introduction to the evaluation of
LITERARY	literary criticism, Movements and
CRITICISM AND	schools of thought.
	schools of mought.
THEORY-PART 1	
	Evaluation of the contribution of
	Indian Aesthetics to Criticism.
	Develop a critical thinking and
	appreciation of Literary Works.
	Differentiate between criticism and
	theory.
	· · · · - J ·

	ENG2CO7	Comprehend the history and
		evolution of American literature
	AMERICAN	
	LITERATURE	through the ages
		Understand the various movements
		and concerns of American literature
		Interpret some of the classic works
		of different American authors
		Develop an overview of the
		different genres of American
		literature
	ENG2CO0	
	ENG2CO8	Analyse the history, geography,
	POSTCOLONIAL	language and culture that shaped
	WRITINGS	the postcolonial texts
		Examine the regional elements in
		the works
		Compare the social, political,
		religious and cultural contexts
		6
		within which the texts are located.
		Acquire an understanding of major
		fictional modes In vogue in
		postcolonial countries
	VPEG3C05	Apply modern perspective reading
	TWENTIETH	in poetry, drama and fiction
	CENTURY BRITISH	
	LITERATURE:	
	POST 1940	
	F031 1940	
		Analyse how gender, race, caste,
		ethnicity, region and religion
		evolves in the works
		Understand the concept and types
		of poetry, drama and fiction
		of poetry, drama and fieldon
1		1 0
		reflecting the age and its
	VPEG3C06	reflecting the age and its importance
	VPEG3C06	reflecting the age and its importance Infer different elements of
	ENGLISH	reflecting the age and its importance
	ENGLISH LANGUAGE:	reflecting the age and its importance Infer different elements of
	ENGLISH LANGUAGE: HISTORY AND	reflecting the age and its importance Infer different elements of
	ENGLISH LANGUAGE:	reflecting the age and its importance Infer different elements of
	ENGLISH LANGUAGE: HISTORY AND	reflecting the age and its importance Infer different elements of
	ENGLISH LANGUAGE: HISTORY AND	reflecting the age and its importance Infer different elements of Semiology List the characteristics of human
	ENGLISH LANGUAGE: HISTORY AND	reflecting the age and its importance Infer different elements of Semiology List the characteristics of human language.
	ENGLISH LANGUAGE: HISTORY AND	reflecting the age and its importance Infer different elements of Semiology List the characteristics of human language. Explain the evolution of English
	ENGLISH LANGUAGE: HISTORY AND	reflecting the age and its importance Infer different elements of Semiology List the characteristics of human language. Explain the evolution of English language.
	ENGLISH LANGUAGE: HISTORY AND	reflecting the age and its importance Infer different elements of Semiology List the characteristics of human language. Explain the evolution of English language. Analyze different types of word
	ENGLISH LANGUAGE: HISTORY AND	reflecting the age and its importance Infer different elements of Semiology List the characteristics of human language. Explain the evolution of English language.

	English
	Develop the techniques of
	pronounciation and perceive
	different types of Grammar
ELECTIVE 1	Understand the nuances of Post
POSTCOLONIAL	Colonial Theory and concepts
FICTION AND	
DRAMA	
	Analyse literary and cultural texts
	from a post colonial perspective
	Familiarise with diasporic writing
	and its peculiarities
	Understand the politics of
	historiography and representation in
	the post colonial context
ELECTIVE 2	Classify major movements of world
 FILM STUDIES	cinema
	Distinguish major film genres
	Analyse selected film texts
	Appraise case studies of classic
	cinema
	Appraise case studies of classic cinema
VPEG4CO7	
INDIAN ENGLISH	5
LITERATURE	evolution of Indian English Literature
LIIEKAIUKE	Literature
	Develop an overview of the
	different genres of Indian writing in
	English
	Analyse the socio-political and
	cultural concerns embedded in the
	writings of India
	Identify the elements of Indianness
	in the different writings of India
ELECTIVE 1	Evaluate the place of Children's
INTRODUCTION	Literature in World Literature
TO CHILDREN'S	
LITERATURE	
	Create an acquaintance with the
	major authors in Children's
	Literature.

	Examine the various kinds of narrative techniques in Children's Literature
	Understand the evolution of Children's Literature.
ELECTIVE 2 AMERICAN ETHNIC WRITING	Understand the evolution and history of American Ethnic writing
	Understand the concept of ethnicity and multiculturalism
	Comprehend the different ethnic movements
	Understand the Black, Jewish, Japanese and Amerindian presences in American literatures and their histories
	Perceive the social and political concerns embedded in the ethnic writings
	Evaluate the religious and cultural aspects prominent in the American writings

<u>B A ENGLISH</u> PROGRAMME SPECIFIC OUTCOMES

PSO1	Use English effectively in formal and informal situations
PSO2	Know various genres in English literature
PSO3	Develop interest in language and literature
PSO4	Appreciate literary works

PROGRAMME	PROGRAMME	COURSES	OUTCOME
	SPECIALIZATION		
BA	English	ENG1B01	Identify the various genres in English
	(Core Courses)	INTRODUCING	literature
		LITERATURE	
			Promotes understanding of literature
			to become readers for life

	Enable the students to identify basic
	concepts of language
	Understand basic grammatical
	concepts thereby developing proper
	responses to literature.
	Determine the different kinds of
	narrative techniques in Literature
	Understand literary texts as cultural
	artifacts shaped by social, political,
	economic and natural environments
ENG2B02	Develop taste for poetry with
APPRECIATING	theoretical basis
POETRY	
	Build an awareness about the cultural
	diversity of the world literature with
	reference to poetry
	Develop the ability to distinguish
	between the writing styles of
	various authors
VEG3B03 -	Develop taste for drama with
READING	theoretical basis
DRAMA	
	Infer various kinds of theatres and
	techniques of drama
	Build an awareness about the cultural
	diversity of the world literature with
	reference to drama
	Construction of attitudes, values and
	behaviour and creation of roles and
	relationships to gain an
	understanding of dramatic experience
	Develop the ability to distinguish
	between the writing styles of
	various authors
VEG3B04 -	Interpret the characteristics of various
READING	forms of fiction
FICTION	
	Appraise the literary styles of
	eminent fiction writers.
	Relate to various modes of fiction
	writings in relation to their socio-
	historic and cultural contexts
	Apply critical thinking to examine
	fiction writings from different
	contexts

Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Comprehend the inter relationship between language, culture and identity VEG4B05, Identify different literary movements and their characteristics. ENGLISH LITERATURE LITERATURE List the contributions of major literary theorists. Examine the various aspects of novel Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Comprehend the inter relationship between language, culture and identity VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overiew of the different in the social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overiew of the different generes of Indian mining in English Analyse the socio-political and cultural concerns embedded in the writing of India Analyse the socio-political and cultural concerns embedded in the writing of India		
Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Comprehend the inter relationship between language, culture and identity WEG4B05, Identify different literary movements and their characteristics. ENGLISH List the contributions of major literary theorists. ENGLISH Examine the various aspects of novel Examine the use of language in poetry Distinguish between the major. Categorize the major Indian philosophies and Schools of thought Categorize the major Indian philosophies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different generes of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writing of India Analyse the socio-political and cultural concerns embedded in the writing of India		0 1
methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity VEG4B05, MODERN ENGLISH LITERATURE Identify different literary movements and their characteristics. ENGLISH List the contributions of major literary theorists. Examine the various aspects of novel Examine the various aspects of novel Identify the socio-economic background presented in plays. Eaterprize (Identify) Categorize the major Indian philosophies and Schools of thought Distinguish between and philosophies and Schools of thought Comprehend the inter relationship between language, culture and identify Comprehend the inter relationship between and identify VEG5B07 - INDIAN WRITING IN ENGLISH Understand the history and evolution of Indian English Literature VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India		
Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity VEG4B05, MODERN ENGLISH LITERATURE Identify different literary movements and their characteristics. ENGLISH LITERATURE Iterary theorists. Examine the various aspects of major literary theorists. Iterary theorists. Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity VEG5B07 - INDIAN WRITING IN ENGLISH Chican realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India		
Comprehend the inter relationship between language, culture and identity VEG4B05, MODERN ENGLISH LITERATURE List the contributions of major literary theorists. ENGLISH LITERATURE List the contributions of major literary theorists. Examine the various aspects of novel Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity VEG5B07 - INDIAN WRITING INDIAN WRITING INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of Indian Kitting to Indian English Analyse the socio-political and cultural concerns embedded in the writings of Indian explicit of Indianness in the writing to Indiannestin the writing to Indianness in the writing		methodologies of Natural Sciences,
between language, culture and identity VEG4B05, MODERN ENGLISH LITERATURE List the contributions of major literary theorists. ENGLISH LITERATURE List the contributions of nagior literary theorists. Examine the various aspects of novel Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India		
between language, culture and identity VEG4B05, MODERN ENGLISH LITERATURE List the contributions of major literary theorists. ENGLISH LITERATURE List the contributions of major literary theorists. Examine the various aspects of novel Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India		Comprehend the inter relationship
identity VEG4B05, MODERN ENGLISH LITERATURE Identify different literary movements and their characteristics. ENGLISH List the contributions of major literary theorists. Examine the various aspects of novel Examine the various aspects of novel Image: the socio-economic background presented in plays. Eaterstript the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Understand the history and evolution of Indian English Literature VEG5B07 and the inter relationship between social realities through discourses and ideologies Understand the history and evolution of Indian English Literature Malyse the socio-political and cultural concerns embedded in the writings of India Analyse the socio-political and cultural concerns embedded in the writings of India		
VEG4B05, MODERN ENGLISH LITERATURE Identify different literary movements and their characteristics. LITERATURE List the contributions of major literary theorists. Examine the various aspects of novel Examine the various aspects of novel Examine the use of language in poetry Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identify VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		
MODERN ENGLISH LITERATURE and their characteristics. List the contributions of major literary theorists. List the contributions of major literary theorists. Examine the various aspects of novel Examine the various aspects of novel Description Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Description Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India	VEC4D05	
ENGLISH LITERATURE List the contributions of major literary theorists. Examine the various aspects of novel Examine the various aspects of novel Image: Second S	-	
LITERATURE List the contributions of major literary theorists. Examine the various aspects of novel Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India		and their characteristics.
List the contributions of major literary theorists. Examine the various aspects of novel Examine the various aspects of novel Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India		
Image: Second	LITERATURE	
Examine the various aspects of novel Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India		List the contributions of major
Examine the various aspects of novel Examine the use of language in poetry Identify the socio-economic background presented in plays. Categorize the major Indian philosophies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India		literary theorists.
Image: Constraint of the sector of the se		
Image: Section of the section of th		
Image: Section of the section of th		Examine the use of language in
Identify the socio-economic background presented in plays. Categorize the major Identify the socio-economic background presented in plays. Categorize the major Identify the socio-economic background presented in plays. Categorize the major Identify the socio-economic background presented in plays. Categorize the major Identify the sociols of thought Distinguish between methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between between language, culture identity Examine social realities through discourses and ideologies VEG5B07 - Understand the history and evolution of INDIAN WRITING IN ENGLISH VEG5ISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in Identify the elements of Indianness in		0 0
background presented in plays.Categorize the major Indian philosophies and Schools of thoughtDistinguishbetween the methodologies of Natural Sciences, Social Sciences and HumanitiesComprehend the inter relationship between language, culture and identityVEG5B07 - INDIAN WRITING IN ENGLISHUnderstand the history and evolution of Indian English LiteratureDevelop an overview of the different genres of Indian writing in EnglishAnalyse the socio-political and cultural concerns embedded in the writings of IndiaIdentify the elements of Indianness in		
Categorizethe majorIndian philosophies and Schools of thoughtDistinguishbetweenthe methodologies of Natural Sciences, Social Sciences and HumanitiesComprehendthe inter relationship betweenlanguage, culture and identityVEG5B07 - INDIAN WRITING IN ENGLISHUnderstand the history and evolution of Indian English LiteratureDevelop an overview of the different genres of Indian writing in EnglishDevelop an overview of the different genres of Indian writing in EnglishAnalysethe socio-political and cultural concerns embedded in the writings of IndiaIdentify the elements of Indianness in		-
methodologies and Schools of thought Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - Understand the history and evolution of Indian English Literature INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		
Distinguish between the methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - Understand the history and evolution of Indian English Literature INDIAN WRITING Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in Identify the elements of Indianness in		6 3
methodologies of Natural Sciences, Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		
Social Sciences and Humanities Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING INDIAN WRITING INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		-
Comprehend the inter relationship between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		
between language, culture and identity between language, culture and identity Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		Social Sciences and Humanities
identity identity Examine social realities through discourses and ideologies Examine social realities through discourses and ideologies VEG5B07 - Involve the social realities through discourses and ideologies Understand the history and evolution of Indian English Literature Involve the social realities through discourses and ideologies Involve the social realities through discourses and ideologies Involve the social realities through discourses and ideologies Involve the social realities through discourses and ideologies Involve the social realities through discourses of Indian writing in English Indian English Analyse the social realities through discourses of Indian Interview of India Involve the social realities through discourses of Indian Interview of India Involve the social realities through discourses the social realities the social realities the social realities the social realities through discourses the social realities the social realities the social realities through discourses the social realities through discourses the social realities		Comprehend the inter relationship
identity identity Examine social realities through discourses and ideologies Examine social realities through discourses and ideologies VEG5B07 - INDIAN WRITING INDIAN WRITING IN ENGLISH Understand the history and evolution of Indian English Literature Develop an overview of the different genres of Indian writing in English Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		between language, culture and
Image: Social realities in the social realities		
discourses and ideologies VEG5B07 - INDIAN WRITING IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		
VEG5B07 - INDIAN WRITING IN ENGLISH Understand the history and evolution of Indian English Literature Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		e
INDIAN WRITING of Indian English Literature IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Image: Social concerns in the social c	VEC5P07	
IN ENGLISH Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Image: Solution of Indian definition of Indianness in Identify the elements of Indianness in Identify the elements of Indianness in Image: Solution of		•
Develop an overview of the different genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		oi indian English Literature
genres of Indian writing in English Analyse the socio-political and cultural concerns embedded in the writings of India Image: Concerns of Indian description of Indian description of Indian description of Indianness in de	 IN ENGLISH	
Analyse the socio-political and cultural concerns embedded in the writings of India Identify the elements of Indianness in		
cultural concerns embedded in the writings of India Identify the elements of Indianness in		genres of Indian writing in English
cultural concerns embedded in the writings of India Identify the elements of Indianness in		Analyse the socio-political and
writings of India Identify the elements of Indianness in		
Identify the elements of Indianness in		
the different writings of India		
VEG5B08 Understand the origin of language	VEG5B08	
LANGUAGE & through the various related theories.		
		unough the various related theories.
LINGUISTICS	LINGUISTICS	
Locate the evolution of language and	1	L ocate the evolution of language and
its functional aspects.		

	Comprehend the significance of
	linguistics as a tool in the study of
	language.
	Examine speech mechanism and
	articulation of sounds.
	Assess language as a system by
	exploring its morphological, semantic
	and syntactic levels.
	Understand the major concepts of
	modern linguistics and its
	interdisciplinary dimensions.
VEG5B09	Identify different traits of literature
METHODOLOGY	
OF LITERATURE	
	Distinguish between literature and
	other discourses
	Discover different varieties of
	English literatures.
	approaches
	Analyze texts based on certain
	theoretical frames.
VEG5B10	Understand the history and types of
INFORMATICS	computers
	Analyse the function of hardware in
	computers
	Apply the software tools for better
	communication skills
	Create multimedia content
	Create multimedia content
	Evaluate the security issues in the
 	digital scenario
VEG5DO1	Classify major movements of world
FILM STUDIES	cinema
	Distinguish major film genres
	Analyse selected film texts
	Appraise case studies of classic
	cinema
VECCD12	
VEG6B12	Introduction to the evaluation of
LITERARY	literary criticism, Movements and
CRITICISM &	schools of thought.
THEORY	
	Evaluation of the contribution of
	Indian Aesthetics to Criticism.
	1

1	
	Develop a critical thinking and
	appreciation of Literary Works.
	Differentiate between criticism and
	theory.
VEG6B13	Understand the nation's cultural
LITERATURES IN	identity-ancestry, heritage, language,
ENGLISH:	physical appearance through varied
AMERICAN	
	literatures in English.
&POST	
 COLONIAL	
	Analyze the effects of colonization
	and imperialism on colonies.
	Identify how new forms of
	imperialism replace colonization.
	Comprehend the implications of the
	American dream in their lives.
VECCD14	
VEG6B14	Identify concepts of class, race and
WOMEN'S	gender through poems and stories in
WRITING	literature
	Understand evolution of feminist
	movements through the various ages
	of English writers
	Evaluate the different female
	experiences addressed in various
	literary genres
	Create an awareness of female
	subjugation by utilizing literary
	theory
	Analyze patriarchal norms to enhance
	critical thinking
VEG6B15	Infer the role of journalism,
WRITING FOR	advertising in a democratic society
THE MEDIA	and nature of news
	Compare the difference between print
	media, electronic media and digital
	media
	Develop competency in online
	writing, blog, social networking sites
	and technical writing
	Apply media writing skills
VEG6E01	Introduce literatures other than
WORLD	English literature to the students
CLASSICS IN	English incluture to the students
TRANSLATION	

	Create a spirit of enquiry and exploration into world literature
	To form a broad vision of life by exposing the students to the various problems / situations of life
	Analyse the concepts of different genres of literature

B A FUCTIONAL ENGLISH

PROGRAMME SPECIFIC OUTCOMES

PSO1	Use English language required to perform specific functions
PSO2	Operate language confidently effectively and independently
PSO3	Develop interest in language and literature
PSO4	Employ the acquired knowledge in criticism and interpretation in a variety of contexts

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
ВА	Functional English (Core Courses)	FEN1BO1 COMMUNICATION SKILLS IN ENGLISH	Identify, analyse & use the linguistic and pragmatic variations in English in relation to context and speakers.
			Attain an advanced level of mastery in all the macro skills of English
			Improve their debating skills and develops their ability to discuss various topics of social relevance.
			Improve their vocabulary skills by keeping a vocabulary journal
			Understand the different theories and models of communication

FEN2B02	Explain the basic concepts of
GRAMMAR AND	grammar
USAGE	
	Identify the different parts of
	speech
	Construct different types of
 	sentences
	Understand the relevance of
	mechanics and stylistic
	conventions in academic writing
	Make use of MLA style sheet for
	writing and documentation in
	academic papers
VFE3B03	Understand the history and types of
ENGLISH AND	computers
COMMUNICATION	
TECHNOLOGY	Analyze the franction of head
	Analyse the function of hardware in computers
	Apply the software tools for better
	communication skills
	Create multimedia content
	create multimedia content
	Evaluate the security issues in the
	digital scenario
VFE3BO4	To identify and categorise distinct
APPLIED	English sounds, its production and
PHONETICS	the varied phonetics symbols.
	Classify the various phonemes and
	explain the realisational differences
 	including allophonic variations.
	Understand the importance of
	organs of speech in the production
	and articulation of a speech sound.
	Use phonetic symbols for
	transcription.
	Illustrate syllable divisions and
	breath groups.
	Determine stress patterns in given
	words and sentences.
	List all intonation patterns in English and identify somethic
	English and identify semantic
 	changes due to their differences.
	Identify and explain the differences between British and American
	English.
	English.

VEF2CO2	
VFE3CO3 FOUNDATIONS OF AESTHETICS AND CRITICISM	Explain the various concepts of Eastern and Western Classical Literary Criticism.
	Compare and contrast both Eastern
	and Western Classical Foundations
	Analyze the different Indian Aesthetic Theories.
	Assess an evolution of English criticism.
	Survey the major literary movements and poetic devices
	Relate different writers with their main ideas with reference to the main critical texts written by them.
VFE4B05 INTRODUCTION TO LINGUISTICS	Define language and list all its characteristics.
	List the contributions of major linguists.
	Compare human and animal communication.
	Utilise key concepts in linguistics to comprehend language.
	Examine the various branches of linguistics.
VFE4B06	Understand business
ENGLISH FOR BUSINESS COMMUNICATION	correspondence.
	Define business terms and
	understand usages
	Develop Presentation skills
	Comprehend and plan outline of meetings.
	Develop business communication
	Analyse various steps in the process of editing and proof
	reading
VFE4CO4 AMERICAN	Comprehend the history and evolution of American literature
LITERATURE	through the ages Understand the various movements
	and concerns of American literature
	Interpret some of the classic works

	of different American authors
	different genres of American
	literature
VFE5B07	Understand and appreciate various
 CREATIVE WRITING	writing styles
	Evaluate one's personality and
	others' based on the physiological
	and psychological aspects of
	personality
	Apply leadership qualities
	Analyse and resolve conflicts and
	motivate others for their well being
VFE5B08	Create in the student an awareness
FUNCTIONAL	
	of the basic theories and concepts
	related to communication and to
PRINT MEDIA	give them basic training in writing
	for the newspaper.
	Introduce mass media and the
	characteristics of mass media to
	students
	Familiarize them with the history
	and fundamentals of print media
	newspaper.
	Introduce mass media and the
	characteristics of mass media to
	students
VFE5B09	Understand the history of theatre
THEATRE FOR	and performance
COMMUNICATION	and performance
COMMUNICATION	Analyse plays in relation to history,
	theory and culture
	Understand modern theatre
	practices
	Demonstrate ideas through
	dramatic forms and theatre
	conventions
VFE5B10	Introduction to the evaluation of
CONTEMPORARY	literary criticism, Movements and
LITERARY AND	schools of thought.
CULTURAL	
THEORY	
	Evaluation of the contribution of
	Indian Aesthetics to Criticism.
	Develop a critical thinking and
	appreciation of Literary Works.

	Differentiate between criticism and
	theory.
VFE6B11 ENGLISH LANGUAGE TEACHING	Understand the scope and potential of English as a universal language
	Analyse the crucial role of the teacher as the facilitator, team player and organiser
	Apply the theories of second language learning in teaching environment
	Evaluate the approaches, methods and techniques in ELT
	Create lesson plan incorporating teaching aids and activities to develop LSRW
VFE6B12 FUNCTIONAL ENGLISH FOR ELECTRONIC MEDIA	Detail the history and fundamentals of electronic media
	Script radio talk, interviews, documentaries and drama
	Understand the basics of TV program production
	Develop competency in online writing- Blog, social networking sites, technical writing
VFE6B13 TRANSLATION STUDIES	Get to know literatures of various languages.
	Understand the cultures behind languages.
	Identify various aspects of language skills in an individual.
	Express one's thoughts in different languages.
VFE6B14 INTRODUCTION TO FILM STUDIES	
	Distinguish major film genres
	Analyse selected film texts
	Appraise case studies of classic cinema
VFE6B15	Understand the techniques and

ELECTIVE	1 –	procedure involved in
LANGUAGE	FOR	advertisement production.
ADVERTISING	; G	
THEORY	AND	
PRACTICE		
		Identify the role of advertising in
		the marketing field.
		Comprehend the importance of
		advertisement in the present
		scenario.
		Create advertisement copy with
		proper structure and components
		Analyze the different types of
		advertisements in terms of
		creativity.

M.A MALAYALAM

PROGRAMME SPECIFIC OUTCOMES

PSO1	Develop analytical and critical ability to the contemporary aesthetical and theoretical aspects of literature and make new contributions to literature.
PSO2	Develop skills in language for publishing/online writing, translating, media interpretation.

PROGRAMM E	PROGRAMME SPECIALIZATIO N	COURSES	OUTCOME
M.A.	MALAYALAM	MAL1CO1 - ANCIENT MALAYALA M POETRY	Understand the origin of Malayalam poetry
			Introduce and analyze Ancient poetry forms
			Analyze the ancient poems
			Analyze the different language patterns that present in ancient poems
			Understand the influence of other

Г		
		languages in the development of Malayalam poetry
		Analyze and criticize the periods of Malayalam poetry till the modernization.
	MAL1CO2 MODERN POETRY	History of Malayalam poetry after medieval period
		Understand the different stages of poetry in the period of modernization.
		Analyze the change of language form in modernity.
		Criticize the form of Modern poetry
		Read poems in a new way of aesthetics with critical thinking.
	MALC03 KERALA REGION AND CULTURE	Understand Ancient history & culture of Kerala
		Analyze tribal culture
		Analyze the influence of foreign cultures
		The influence of sangam age
		Analyze and criticize the period of Dutch, French, Portuguese and English foreign cultures in Kerala
		Analyze the renaissance in Kerala history
	MAL1CO4 MALAYALA M GRAMMAR	Understand the origin of Malayalam grammar.
		Analyze Malayalam Alphabet and understand different opinions of grammaticians.
		Compare 'Keralapanineeyam' and 'Vyakaranamithram' two works in grammar.
]\iAnalyze the discussions on 'Keralapanineeyam', book by A.R.Rajarajavarmma
		Compare different opinions of

Γ		
		grammatarians about the process of Malayalamgrammar
	AEC MAL1A01 AUDIT COURSE/BO OK REVIEW	Understand the practical knowledge of various language abilities.
		Analyse the new books in Malayalam language and literature
		Evaluate the credit of new books and compare with others in the basis of different ideologies
		Study the creative works in Malayalam language and literature
		Analyse the reasons behind the new published works in Malayalam literature.
	MAL2CO5 MODERN MALAYALA M PROSE	Understand the transition period of Malayalam prose from ancient stage.
		Analyze the modernization proses under which the prose has to be changed
		Familiar the different prose texts in the Modern period
		Criticize the modern Malayalam
		Understand the cultural background of Malayalam modern poetry.
	MAL2CO6 HISTORY OF LANGUAGE AND PLANNING	Understand the history and development of Malayalam language and literature
		Understand the different modes of language planning and modernization
		Understand how to increase the affection towards the mother tongue and culture behind the language
		Analyse the different stages of Malayalam language development up to the computational Malayalam

	TT 1 . 1
	Understand to restructure the
	language in order to use it through
	new media world.
MAL2CO7	Understand the theories in
LINGUISTICS	Linguistics
	Analyze the Malayalam on the
	basis of linguistic theories
	Analyze different discourses of
	5
	Malayalam language
	Understand the dialectology of
	Malayalam language
	Understand the development and
	changing process of Malayalam
	language
MAL2CO8	Understand the history of eastern
LITERARY	literary theories and literary forms
THEORIES	in Kerala literature
	Identify the influence of Indian
	literary theories in Malayalam
	criticism
	Understand different Indian
	literary theories
	Introduce Ancient eastern poets
	Historical analysis of literary
	criticism
	Cultural Analysis of different
	literary forms on the basis of
	Indian literary theories
	5
	Cultural study through eastern
	criticism
	Compare eastern and western
	literary theories and literature
MAL2A02	Understand the theoretical and
TRANSLATI	practical levels of translation
ON	
PRACTISES	
	Identify Aims And Objectives
	Of Translation As An Academic
	Discipline
	To Create Basic Linguistic And
	Cultural Competences With
	Translational Skills And
	Knowledge In Translation Studies
	Acquire The Skill To Do
	Translation From Malayalam To
	English And Vice Versa
	0

MAL3C10 LITERARY CRITICISM	Find And List The Areas Where Translation Is Applicable Understand The Different Methods And Techniques In Translation General Awareness About Malayalam Criticism Introduce The History Of Malayalam Criticism. Understand Different Theories Of Criticism. Apply The Theories To The
MAL3E ECO- FEMINIST- DALIT LITERATURE	Literary Works. Understand the definitions of feminine, Dalith and ecology in the background of literature.
	Analyze the literacy works on the basis of feminist, dalith and eco aesthetic theories. Understand the techniqual language patterns that represent peculiar ideologies.
MAL3E FILM STUDIES	Read the literacy works on the basis of new critical approaches. Understand The Film As A Medium Of Contemporary Society Study The History And Development Of Film Art
MAL3E MALAYALA M DRAMA	General Awareness About Malayalam Drama
	IntroduceTheHistoryOfMalayalam DramaUnderstandTheInfluenceOfDrama In The SocietyUnderstandTheTechniquesOf
MAL4C15 LITERARY	Modern Malayalam Drama Aware and AnalyzeThe Criticism And Study Of Films.

THEODIEC	
THEORIES	
WESTERN	
	Co4 Aware How To Create A
	Short Film-Campus Film-
	Documentary
	Introduce the western and modern
	literary theories
MAL4E	Understand The Folk Tradition,
FOLKLORE	Culture, And History.
	Examine The Relation And
	Relation-Morality To Literacy
	And Literacy To Morality.
	Identify the' The Collective
	Identity'.
	Trace The History And
	Development Of Folklore Studies.
	Understand The Origin Of
	Folkloristic In Academic Bodies.
	Understand The Different Folk
	Genre And Its Influence In
	Literature.
	Analyze The Folk Literature.
	Trace The Study Of Kerala
	Folklore And Its Origin &
	Development.
	Explore The Folk Tradition In
	Kerala Culture And Collectivity.

B.A MALAYALAM

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the evolution morphology of Malayalam language and
	Literature.
PSO2	Understand and critics cent temporary aesthetical and theoretical aspects of Literature and make contributions of literature.
PSO3	Develop skills in language for publishing/online writing, translating, and media interpretation.

PROGRAMME	PROGRAMME	COURSES	OUTCOME
	SPECIALIZATION		

B.A	MALAYALAM	MAL1B01 NAVOTHANA MALAYALAKAV ITHA	General Awareness about Modern Malayalam poetry.
			Introduce the history & development of modern Malayalam poetry.
			Understand new narratives of modern Malayalam poetry.
			IntroducethenewperspectivesofmodernMalayalam poetry.
		MAL2B02 KATHASAHITHY AM	General Awareness About Malayalam Short Story
			Introduce The History Of Malayalam Short Stories
			Understand The History &Different Stages Of Malayalam Short Story Inculcate Creative Skills
		MAL2B03 NAVEENA MALAYALAKAV ITHA	General Awareness About Modern Malayalampoetry
			Introduce The History & Development Of Modern Malayalam Poetry
			Understand New Narratives Of Modern Malayalam Poetrty
			IntroduceTheNewPerspectivesOfModernMalayalam Poetry
		MAL3BO04 DHRISHYAKALA SAHITHYAM	Understand the history and development of Malayalam drama
			Understand the different Kerala art forms
			Analyse the folk rituals in kerala culture
			Understand the new theatre forms in kerala
			Understand the background culture of popular art forms

MAL4B05 PRACHEENA MADHYAKALA MALAYALA KAVITHA	Understand Ancient Malayalam Literary Periods.
	Introduce Ancient Malayalam Literary Forms.
	Understand The Features Of Manipravalam Poetry.
	Understand The Features Of Champukavyams.
MALB06 MALAYALANOV ALSAHITHYAM	General Awareness about Malayalam Novel.
	Introduce The History of Malayalam Novel& Short stories.
	Understand The History &Different Stages Of Malayalam Novel.
	Introduce Translated Novels
MAL5B07 MALAYALAM GRAMMAR	Understand The Theories Of Malayalam Grammar.
	Analyze Malayalam Language Usages.
	Create Own Conclusions About Malayalam Grammatical Usages
	Compare Different Grammatical Theories with Kerala panineeyam.
MAL5B08 COURSE TITLE- -WESTERN LITERARY THEORIES	Understand The Western Literary Theories.
	Identify The Greek-Anglo Literary Critics.
	Aquaria Critical. Skills through Critical Works.
	Historical Analysis of Western Literary Theories.
MAL5B09 MALAYALASAHI THYAVIMARSA	General Awareness About Malayalam Criticism

NAM	
	Introduce The History Of
	Malayalam Criticism.
	Understand Different Theories
	Of Criticism.
	Apply The Theories To The
	Literary Works.
MAL5B10	Understand The Folk
FOLKLORE	Tradition, Culture, And
	History.
	Identify The' The Collective
	Identity'.
	Trace The History And
	Development Of Folklore
	Studies.
	Explore The Folk Tradition In
	Kerala Culture And
	Collectivity.
MAL5D01	Understand The Film As A
CHALACHITHRA	Medium Of Contemporary
PADANAM	Society
	• Study The History And
	Development Of Film Art
	Aware and AnalyzeThe Criticiam And Study Of
	Criticism And Study Of Films.
	Co4 Aware How To Create A
	Short Film-Campus Film-
	Documentary
MAL6B11	Understand The Theories Of
LINGUISTICS	Linguistics
AND HISTORY	
OF LANGUAGE	
	Analyze Different Discourse
	Of Malayalam Language.
	Understand The History And
	Development Of Malayalam
	Language
	Compare Language And
	Society
MAL6B12	Understand The History And
COURSE TITLE-	Development Of Malayalam
GADHYASAHITH	Prose.
YAM	
	Introduce Medieval

	Malayalam Proso
	Malayalam Prose. Understand The Features Of
	Malayalam Gadyam.
	Understand The Features Of
	Ancient Malayalam
	Manuscripts.
MAL6B13	Understand The Eastern
COURSE TITLE -	Literary Theories.
EASTERN	
LITERARY	
THEORIES	
	Understand Different Theories
	Of Eastern Literary Criticism.
	Acquire Critical skills
	Through Literary Theories.
	Historical Analysis of Eastern
	Literary Theories.
MAL6B14	Aware Different Culture
COURSE TITLE-	Patterns
NAVASAMSKAR	1 atterns
APADANANGAL	
	Study Different Cultural
	Stages Of Kerala
	Aware The Cultural
	Background Of Literary
	Works
	Create The Ability To
	Criticize Different Culture Of
	Literature
MAL6B16	Understand the new ways of
METHODOLOGY	research studies
OF RESEARCH	
	Analyse the possibilities of
	research studies of Malayalam
	language and literature
	Understand the methodology
	and preliminary format of
	research thesis .
	Criticise and analyse the
	previous study material with
	the help of research tools
	• Understand the knowledge
	levels of Malayalam language
	literature through different
1	research approaches

MAL6B17	Understand the definitions of
ELECTIVE	feminine, Dalith and ecology
STHREEPADANA	in the background of
NGAL	literature.
	Analyze the literacy works on
	the basis of feminist, dalith
	and eco aesthetic theories.
	Understand the techniqual
	language patterns that
	represent peculiar ideologies.
	Read the literacy works on the
	basis of new critical
	approaches.

	MALAYALAM	COURSE CODE –	UNDERSTAND THE
D 4			
B.A	(COMPLEMENTA	MAL2[1]CO1,COR	
	RY COURSE)	SE TITLE-	NCE AND REFORMATION
		KERALAPADAN	MOVEMENTS OF KERALA
		AM-	
		POORVAKALAK	ANALYZE THE
		ERALAM,	CONTINUOUS DEVELO
		MADHYAKALAK	MENTS OF KERALA
		ERALAM.	THROUGH DALIT
		MAL4[3]CO2-	-WOMEN-EDUCATIONAL
		ADHINIVESHAK	AND AGRIC
		ALAKERALAM,	ULTURAL MOVEMENTS
		ALAKEKALANI,	ULTURAL WOVEWIENTS
		-	
		ADHUNIKAKER	
		ALAM	UNDERSTAND THE
			KERALA STATE
			FORMATION AND FIVE
			YEAR PLANS
			AND KERALA
			DEVELOPMENT MODEL
			THE INFLUENCE OF
			SOCIO –CULTURAL

			ASPECTS IN THE ECONOMIC DEVELOPMENT OF KERALA AND ANALYZE AND THE CONTRIBUTION OF EMIGRANTS INTRODUCE AND ANALYZE ART FORMS OF KERALA
B.A	MALAYALAM (COMMON COURSE)	COURSECODE – VMLA01,A02,A03 ,A04 COURSE TITLE- – MALAYALASAHI THYAM 1 2 3 4	GENERAL AWARENESS ABOUT MALAYALAM LITERATURE INTRODUCE THE DIFFERENT LITERAR Y FORMS INTRODUCE MALAYALAM E CONTENT INCULCATE CREATIVE SKILLS

SANSKRIT UG & PG COMMON & COMPLEMENTARY PROGRAMME

PROGRAMME SPECIFIC OUTCOMES (PG)

PSO1	UNDERSTAND HISTORY OF SANSKRIT LITERATURE
PSO2	DEVELOP THE ABILITY FOR TRANSLATION
PSO3	CULTURAL ANALYSIS OF INDIAN SOCIETY ON THE BASIS OF SANSKRIT LITERATURE

PSO4 TO DEVELOP THE ABILITY FOR UNDERSTAND, ANALYSIS AND CRITICAL THINKING ABOUT SANSKRIT LITERARY FORMS.

PROGRAMME SPECIFIC OUTCOMES (UG)

PSO1	Internalize basic structure of Sanskrit Language.
PSO2	Develop interacting and communicating skills in Sanskrit.
PSO3	Understand the ancient Indian tradition and culture through a critical approach.
PSO4	Develop an analytic method and critical thinking in Sanskrit literature and regional cultures.
PSO5	Evaluate the traditional knowledge and relate it to contemporary socio-cultural scenario.
PSO6	Acquire the ability to live fruitfully in the society imbibing traditional values and to discharge duties and responsibilities as ideal citizens.

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
M.A. Malayalam	Sanskrit	SKT 3E08 Basic Sanskrit	To impart general awareness of Sanskrit epic literature to students. To enable the student to enjoy and appreciate Katha Literature. To familiarize the student with Prose literature. Understand the poetic merits and development of Epics and their impact on later Sanskrit Literature. Understand the basic principles of grammar Understand the Method of Sanskrit Translation.
BA/BSc	Sanskrit	SKT 3A 09 (01) SAMSKRTASAHITYASAMIKSHA - III	Understand the vast literary heritage of Sanskrit Dramas. Appreciate the works of important play writers in Sanskrit.

			Evaluate Sanskrit Dramatic Literature through the study of Urubhanga. Recognize the literary merits of Bhasa. Understand the specific features of the works of Bhasa. Understand the general features of Alankaras in Sanskrit literature and how far it is useful in the appreciation of literature.
B.A. Malayalam	Sanskrit	SKT 4 (3) C 02 SASTRAMIMAMSA-II	Understand the history and evolution of Intellectual traditions of India. Understand general features and concepts of Indian philosophical schools. Understand specific doctrines of Non – Vedic philosophical systems (Nastika Darsanas) Jainisam, Buddhisam and Carvaka. Understand the categories and special features of Vedic Schools of Indian Philosophy (Astika Darsanas) Nyaya, Vaisesika, Sankhya, Yoga, Mimamsa and Vedanta systems. Analyse the epistemology, metaphysics and ontology of Indian Philosophical schools. Evaluate the dimensions of philosophical thoughts based on their interdisciplinary application.

Articulate on the conceptual
and methodological
distinctions of Indian
Philosophical systems.
Transform philosophical
ideas into socially relevant
and self-reflexive
perspectives.

DEPARTMENT OF HINDI

COURSE OUTCOMES

COMMERCE

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
	Commerce	VHD1ACM1 - PROSE FORMS IN HINDI LITERATURE	Develop critical understanding of prose forms in Hindi Literature
			Identify the specificities of various types of prose forms
			Prose of eminent authors of different period
		VHD2ACM2 - POETRY,CORRESPONDENCE AND TRANSLATION	Appraise selected proses Understanding origin and development of Hindi Poetry
			Introduce the students to the basic elements of poetry, including the stylistic and rhetorical devices employed in poetry, and to various genres of poetry.
			Train students in various perspective readings in poetry Subjects like gender, race, caste, ethnicity, religion, region, environment and nation etc.will be discussed
			Make them understand various types of letters both personal and business. Facilitate the use of translation as a tool for communication between different

	languages

DEPARTMENT OF HINDI

COURSE OUTCOMES

COMPUTER SCIENCE

VHD1ACS1-PROSE AND ONE ACT PLAYS	Develop critical understanding different prose forms.
	Aquaint the students with different forms, thoughts and styles used in Hindi prose writing ,to make hem able to express their thoughts in these different forms
	Introducing Hindi one act plays to the students for appreciation and critical analysis
	Developing their creative thinking and writing
VHD2ACS2-POETRYANDSHORT STORIES	Understanding origin and development of Hindi Poetry and short story
	Introduce the students to the basic elements of poetry, including the stylistic and rhetorical devices employed in poetry, and to various genres of poetry
	Appraise selected short fiction readings
	Train students in various perspective readings in poetrySubjects like gender, race, caste, ethnicity, religion, region, environment and nation etc.will be discussed

DEPARTMENT OF HINDI

COURSE OUTCOMES

BA/BSc

Programme	Programme Specialization	Course Code and Name of Course	Course Outcomes
		VHD1A01-PROSE AND DRAMA	Develop taste for drama and fiction
			Identify the specificities of various types of fiction and Drama
			Fiction and Drama of eminent authors of different period
			Appraise selected fiction and Drama readings. Improve a love of fiction and Drama
		VHD2A02- GRAMMAR CORRESPONDENCE AND TRANSLATION	Make students able to use Hindi language correctly and efficiently
			Make them understand various types of letters both personal and business
			Facilitate the use of translation as a tool for communication between different languages
			Evaluate the possibilities of translation
		VHD3A03-POETRY IN HINDI	Understanding origin and development of Hindi Poetry
			Introduce the students to the basic elements of poetry, including the stylistic and rhetorical devices employed in poetry, and to various genres of poetry.
			Train students in various perspective readings in poetry

	Subjects like gender, race, caste, ethnicity, religion, region, environment and nation etc.will be discussed
VHD4A04-NOVEL AND SHORT STORIES	Develop critical understanding of fiction
	Identify the specificities of various types of fiction
	Fiction of eminent authors of different period
	Appraise selected short fiction readings.Improve a love of fiction

MA ECONOMICS

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand Partial and General Equilibrium theories in Microeconomics and
	Macroeconomics
PSO2	Understand Indian Economic Growth and Development in Research perspective
PSO3	Understand Banking, trade and financial systems of Indian and international
	economy
PSO4	Analyse research problems using econometric tools
PSO5	To equip the statistical methods and tools that is essential for the empirical and
	analytical study of economics.

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
	-		
MA	ECONOMICS	ECO1 C01 Microeconomics:	Explain consumer behaviour under
		Theory and Applications I	uncertainty
			Examine choice under risk
			Discuss the recent developments in
			demand theories
			Distinguish between CD and CES

1	
	production function
	Examine modern theories of cost
	Differentiate collusive and non
	collusive models of oligopoly
	Discuss different concepts of game
	theory
ECO1 C02	Explain the Law of consumption
Macroeconomics: Theories	and theories of Consumption
and Policies I	1
and Policies I	function
	Discuss theories of Investment
	Explain the Neo classical,
	Keynesian and post Keynesian
	theory of Demand for money
	Explain Money supply, its measure
	and Money multiplier
	Discuss the practical implications
	of theories of inflation and
	unemployment
	Discuss the theories of business
	cycle
	Discuss the IS LM General
	Equilibrium , Neo classical and
	Keynesian version
	Examine the objectives of
	macroeconomic policies
	Discuss the implications of Fiscal
	and Monetary policy instruments
ECO1C03 Indian Economy:	Examine the contribution of
Problems and Policies	different sectors to GDP and
Troblems and Toheres	
	employment
	Discuss the role of different sectors
	for economic development and
	examine the major developmental
	issues and Environmental
	Degradation
	Explain the implications of
	economic Planning in India
	Discuss the Implications of
	Economic reforms in India
	Explain the structural Changes of
	Kerala Economy
	Discuss about the Decentralization
	and state finances
ECO1C04 Quantitative	Explain Functions, Graphs ,
Methods for Economic	Matrices and its properties
Analysis I	Explain Application of Linear

r	1	
		functions in Economics
		Describe Derivative of a function
		and its application in Economics
		Discuss Functions of several
		variable and it's application in
		Economics
		Describe Rules of Integration and
		it's Economic Application such as
		Producer's and Consumer;s surplus
		Explain Differential and Difference
		Equation
		Discuss Financial Mathematics
	ECO2 C05 -	Awareness about the Intertemporal
	Microeconomics: Theory	-
	and Applications-II	Understand and analyse the
		General Equilibrium and Welfare
		Economics
		Knowledge about the Externalities
		and Public Goods
		An understanding about
		Asymmetric information
		An awareness about Behavioural
		Economics
	ECO22C06	Explain Classical and Keynesian
	Macroeconomics: Theories	theories of output and employment
	and Policies II	Discuss the Monetarists view on
		BOP, exchange rate, great
		depression and fiscal and monetary
		policies
		Distinguish between New Classical
		Macro Economics Real business
		cycle school and Supply side
		Macro Economics
		Discuss new Keynesian
		explanations for real wage rigidity
		Discuss new Keynesian
		explanations of business cycle and
		policy implications
		Discuss the political distortions and
		macroeconomic performance
		Examine the alternative approaches
		to political business cycle
		Discuss the policy implications of
		politico-economic model
	Public Finance: Theory and	To comprehend the need for public
	Provide Finance. Theory and Practice: ECO2 C07	sector
		NELIUI

[[To avaning the second line of
			To examine the public revenue and policy
			To explore public expenditure and
			debt
			To gain knowledge about the
			concept of fiscal federalism
			To analyse the trends in Indian
			public finance
	ECO2C08	Quantitative	Understand the concepts of random
	Methods for	Economic	experiment and definitions of
	Analysis II		Probability
	-		Explain Discrete and Continous
			random variables and it's
			probability distribution
			Understand the concept of bivariate
			random variables and its
			Probability distribution function
			Discuss Discrete and
			ContinousProbabilty distributions
			Understand the concept of Law of
			Large numbers
			Understand the concept of
			Sampling Distribution
			Explain point estimation and its
			properties
			Discuss the Methods of Interval
			estimation
			Understand the concept of testing
			of Hypothesis
			Understand the concept of testing
			of Hypothesis
			Understand and apply the statistical
			tests for mean, proportions,
			variance and correlation coefficient
			Understand and apply tests based
			on F and Chi- square distribution
			Explain the concept of non
	P.G.O.C.C.C.	•	parametric test
		International	Explain importance and
	Trade		contributions of trade to
			development
			Examine terms of trade and
			economic development
			Discuss the developments in trade
			theories
			Examine transportation cost and

ECO3 C11- ECO3 E01 E01 ECO3 E01 E01 E01 E01 E01 E01 E01 E01 E01 E0		international trade
affect international trade. Distinguish between trafff and non inff trade barriers Explain international trade policies Discuss different forms of economic integration Growth and Development Growth and Development An understanding about the Theories of Economic Growth Valuate the Partial Theories of Economic Growth Econometrics Econometric problems and remedial measures Understanding the dummy variable models Explain the qualitative response models and its applications Analysing specification errors, its consequences, detection and remedies Forecasting using estimated models Folicy analysis using econometric models Folicy analysis using econometric models Folicy analysis using econometric models		
ECO3 C10 Distinguish between tariff and non tariff trade barriers Explain international trade policies Discuss different forms of economic integration Growth and Development Discern the Concepts and Measurements of Economic Growth and Development An understanding about the Theories of Economic Growth Theories of Economic Growth Eco3 C11- Eco3 C11- Eco3 C11- Basic Econometrics Econometrics Econometrics Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometrics Bistimation, Evaluation and Interpretation of Econometrics Estimation, Evaluation and Interpretation of Econometrics Discuss econometrics Estimation, Evaluation and Interpretation of Econometrics Discuss econometrics Explain the qualitative response models and its applications Analysing specification errors, its consequences, detection and remedies Explain the qualitative response models and its applications Analysing specification errors, its consequences, detection and remedies Forecasting using estimated models Policy analysis using econometric models Forecasting using estimated models Policy analysis using econometric models Reserve Bank of India		1 0
ECO3 C10 Explain international trade policies Growth and Development Discuss different forms of economic integration Growth and Development Measurements of Economic Growth and Development An understanding about the Theories of Economic Growth and Development An understanding about the Theories of Economic Growth and Development ECO3 C11- Basic Economic Growth Economic Corowth Understanding methodology of Economic Growth Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Understanding the dummy variables and specification, estimation and evaluation of dummy variables and specification errors, its consequences, detection and remedial measures Understanding subjectifications Analysis using econometric models Explain the qualitative response models Explain the qualitative response models and is applications Analysis using econometric models Forecasting using estimated models Policy analysis using econometric models Forecasting using estimated models Policy analysis using econometric models Forecasting using estimated models Policy analysis using econometric models Forecasting using estimated models Policy analysis using econometric models Forecasting		
ECO3 C10 ECO3 C10 Growth and Development Discern the Concepts and Measurements of Economic Growth An understanding about the Theories of Economic Growth and Development An understanding about the Theories of Economic Growth ECO3 C11- Economic Growth and Development Economic Growth ECO3 C11- Basic Understanding methodology of Economic Growth Econometrics Econometrics Econometrics Econometrics Econometrics Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Understanding the dummy variable and specification, estimation and valuation of dummy variables and specification, estimation and stapplications Analysing specification errors, its consequences, detection and remedial measures Eolicy analysis using econometric models ECO3 E01 Banking: Theor and Practice Knowledge about the structure and functions of central banks		•
EC03 C10 Discuss different forms of economic integration Growth and Development Discern the Concepts and Measurements of Economic Growth and Development An understanding about the Theories of Economic Growth and Development Economic Growth and Development EC03 C11 Examine the Stage Theories of Economic Growth Understand the way of Financing Economic Growth Understanding methodology of Economic Tovelopment EC03 C11- Basic Understanding methodology of Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Understanding the dummy variable models Understanding the qualitative response models and its applications Analysing specification, estimation and evaluation of dummy variable models EC03 E01 Banking: Theory andPractice Eco3 E01 Banking: Theory andPractice Knowledge about the structure and functions of central banks		
ECO3 C10 economic integration Growth and Development Discern the Concepts and Measurements of Economic Growth and Development An understanding about the Theories of Economic Growth Evaluate the Partial Theories of Economic Growth Evaluate the Partial Theories of Economic Growth Evaluate the Partial Theories of Economic Growth Understand the way of Financing Econometrics Econometrics ECO3 C11- Econometrics Basic Understanding methodology of Econometrics Understanding methodology of Econometrics ECO3 C11- Econometrics Basic Understanding methodology of Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Diderstanding the dummy variables and specification, estimation and evaluation of dummy variable models Explain the qualitative response models and its applications Analysing specification errors, its consequences, detection and remedies Forecasting using estimated models Policy analysis using econometric models Policy analysis using econometric models Forecasting using estimated models Policy analysis using econometric models Theoretical and practical functions of central banks		· · · ·
ECO3 C10 Growth and DevelopmentDiscernthe Conceptsand MeasurementsofEconomic Growthand DevelopmentAn understandingaboutthe Theories of Economic Growthaboutthe Theories of Economic Growth and DevelopmentECO3C11- EconometricsBasic Economic DevelopmentUnderstand the way of EnonetricsFinancing EconometricsECO3C11- EconometricsBasic EconometricsUnderstanding methodology of EconometricsUnderstanding methodology of EconometricsECO3C11- EconometricsBasic Estimation, Discuss econometric problems and remedial measuresUnderstanding the dummy variables and specification, estimation and evaluation of dummy variables and specification, estimation and evaluation of dummy variables and specification, estimation and evaluation of dummy variables and specifications Analysing specification errors, its consequences, detection and remediesECO3EO1 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of IndiaParicical and practical knowledge about policies of Reserve Bank of India		Discuss different forms of
Growth and Development Measurements of Economic An understanding about the An understanding about the Horories of Economic Growth Evaluate the Partial Theories of Economic Growth Evaluate the Partial Theories of Economic Growth Understand the way of Financing Econometrics Economic Growth Understanding methodology of Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and Discuss econometric problems and remedial measures Understanding the dummy variables and specification, estimation and evaluation of Understanding the qualitative response models Explain the qualitative response models Explain the qualitative response models Forecasting using estimated models Policy analysis using econometric models Policy analysis using econometric Manal Practice ECO3 EO1 Banking: Theory Knowledge about the structure and functions of central banks Theoretical a		economic integration
Growth and Development An understanding about the Theories of Economic Growth Evaluate the Partial Theories of Economic Growth Examine the Stage Theories of Economic Growth Understand the way of Financing Economic Development Excos C11- Economic Growth Econometrics Understanding methodology of Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Discuss econometric problems and remedial measures Understanding the dummy variables and specification, estimation and evaluation of dummy variable models Explain the qualitative response models and its applications Analysing specification errors, its consequences, detection and remedies Forecasting using estimated models Policy analysis using econometric models Theoretical and practical knowledge about the structure and functions of central banks	ECO3 C10	Discern the Concepts and
Growth and Development An understanding about the Theories of Economic Growth Evaluate the Partial Theories of Economic Growth Examine the Stage Theories of Economic Growth Understand the way of Financing Economic Development ECO3 C11- Basic Understanding methodology of Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Understanding the dummy variables and specification, estimation and evaluation of dummy variable models Explain the qualitative response models and its applications Analysing specification errors, its consequences, detection and remedies Forecasting using estimated models Policy analysis using econometric models BandPractice	Growth and Development	Measurements of Economic
An understanding about the Theories of Economic Growth Evaluate the Partial Theories of Economic Growth Examine the Stage Theories of Economic Growth Understand the way of Financing Economic Development ECO3 C11- Econometrics ECO3 c11- Econometrics Econometrics Understand the way of Financing Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Understanding the dummy variables and specification, estimation and evaluation of dummy variables models Explain the qualitative response models and its applications Analysing specification errors, its consequences, detection and remedial Forecasting using estimated models Policy analysis using econometric models Forecasting using estimated models Policy analysis using econometric models		Growth and Development
Image: Second		÷
Evaluate the Partial Theories of Economic Growth and Development Examine the Stage Theories of Economic Growth Understand the way of Financing Economic Development ECO3 C11- Basic Econometrics Understanding methodology of Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Understanding the dummy variables and specification, estimation and evaluation of dummy variables models Explain the qualitative response models and its applications Analysing specification errors, its consequences, detection and remedies Forecasting using estimated models ECO3 E01 Banking: Theory andPractice Knowledge about the structure and functions of central banks Theoretical and practical knowledge about policies of Reserve Bank of India Theoretical and practical knowledge about policies of Reserve Bank of India		e
EconomicGrowthand DevelopmentExamine the Stage Theories of Economic GrowthExamine the Stage Theories of Economic DevelopmentUnderstand the way of Financing EconometricsEconomic DevelopmentECO3C11-Basic EconometricsUnderstanding methodology of EconometricsEconometricsEstimation, Evaluation and Interpretation of Econometric models of different functional formsDiscuss econometric problems and remedial measuresDiscuss econometric problems and remedial measuresUnderstanding the dummy variables and specification, estimation and evaluation of dummy variables modelsExplain the qualitative response models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsForecasting using estimated modelsPolicy analysis using econometric modelsReco3 EO1 Banking: Theory andPracticeKnowledge about the structure and functions of central banks Theoretical and practical knowledge about policies of Reserve Bank of India		
Image: serve Bark serve		
Examine the Stage Theories of Economic Growth Understand the way of Financing Economic DevelopmentECO3C11- EconometricsBasic Understanding methodology of EconometricsEconometricsEstimation, Evaluation and Interpretation of Econometric models of different functional formsDiscuss econometric problems and remedial measuresUnderstanding the dummy variables and specification, estimation and evaluation of dummy variables and evaluation of dummy variables modelsECO3EO1Banking: Theory andPracticeECO3EO1Banking: Theory andPracticeECO3EO1Banking: Theory andPracticeECO3EO1Banking: Theory and practical knowledge about the structure and functions of central banks Theoretical and practical knowledge about policies of Reserve Bank of India		
Economic Growth Understand the way of Financing Economic Development ECO3 C11- Basic Understand the way of Financing Economic Development Econometrics Econometrics Estimation, Evaluation and Interpretation of Econometric models of different functional forms Discuss econometric problems and remedial measures Understanding the dummy variables and specification, estimation and evaluation of dummy variables and specification, estimation and evaluation of dummy variables and specifications Analysing specification errors, its consequences, detection and remedies Forecasting using estimated models Policy analysis using econometric models Forecasting using estimated models Policy analysis using econometric models Knowledge about the structure and functions of central banks Theoretical and practical knowledge about policies of Reserve Bank of India		
Image: construct of the second seco		
Economic DevelopmentECO3C11- EconometricsUnderstanding methodology of EconometricsEconometricsEstimation, Evaluation and Interpretation of Econometric models of different functional formsDiscuss econometric problems and remedial measuresDiscuss econometric problems and remedial measuresUnderstanding tunny variables and evaluation of dummy variables and evaluation of dummy variables and evaluation and estimation and evaluation of dummy variables modelsExplain the qualitative response models and its applicationsAnalysing specification estimated modelsForecasting using estimated models Policy analysis using econometric modelsPolicy analysis using econometric modelsMathematical modelsForecasting using estimated models Policy analysis using econometric modelsPolicy analysis using econometric models <t< td=""><td></td><td></td></t<>		
EC03C11- EconometricsBasic EconometricsUnderstanding Econometricsmethodology of EconometricsEstimation,Evaluation and Interpretation of Econometric models of different functional formsDiscuss econometric problems and remedial measuresUnderstandingthedummy variables and specification, estimation and estimation errors, its consequences, detection and remediesEC03EC03E01Banking: Theory andPracticeKnowledge about the structure and functions of central banksEC03EC03E01Banking: Theory andPracticeKnowledge about policies of Reserve Bank of India		
EconometricsEconometricsEstimation, Evaluation and Interpretation of Econometric models of different functional formsDiscuss econometric problems and remedial measuresUnderstanding the dummy variables and specification, estimation and evaluation of dummy variablesExplain the qualitative response models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsECO3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of India		1 1
Estimation,Evaluationand InterpretationInterpretationofEconometric modelsformsDiscusseconometric problems and remedial measuresDiscuss econometric problems and remedial measuresUnderstandingthedummy variablesandvariablesandspecification, estimationand estimationExplainthequalitative response modelsExplain the qualitative response modelsECO3EO1Banking: Theory andPracticeForecasting using estimated models Forecasting using estimated modelsECO3EO1Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical andandpractical knowledge about policies of Reserve Bank of India		• •
InterpretationInterpretationInterpretationInterpretationofEconometricInterpretationifferentfunctional <td>Econometrics</td> <td></td>	Econometrics	
models of different functional formsDiscuss econometric problems and remedial measuresUnderstanding the dummy variables and specification, estimation and evaluation of dummy variable modelsExplain the qualitative response models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsPolicy analysis using econometric modelsPolicy analysis using econometric modelsandPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of India		
formsDiscuss econometric problems and remedial measuresUnderstanding variablesunderstanding of dummy variablesand remedial measuresunderstanding of dummy variablesExplain the qualitative response models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsPolicy analysis using econometric modelsmodelsECO3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical knowledge about policies of Reserve Bank of India		1
Discuss econometric problems and remedial measuresUnderstanding the dummy variables and specification, estimation and evaluation of dummy variable modelsExplain the qualitative response models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsECO3 and PracticeECO3 and PracticeECO3 and PracticeForecasting using estimated modelsForecasting using estimated modelsPolicy analysis using econometric modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated modelsForecasting using estimated functions of central banksForecical using estimated modelsForecical estimated policies policies estimated functions functions functions functions functions functions functions functions functions functions functions		
remedial measuresUnderstandingtheUnderstandingtheunmyvariablesandspecification,estimationandestimationandestimationestimationdummy variablemodelsExplainthe qualitative responsemodelsand its applicationsAnalysingspecification errors, itsconsequences,detectiondetectionandremediesForecasting using estimated modelsPolicyanalysisundPracticeKnowledge about the structure and functions of central banksTheoreticalandpracticalknowledgeknowledgeaboutpoliciesofReserveBank of India		
Understandingthedummyvariablesandspecification,estimationandevaluationofdummy variablemodelsExplaintheExplainthequalitativeresponsemodelsand itsapplicationsAnalysingAnalysingspecificationerrors, itsconsequences,detectionandremediesForecastingusingPolicyanalysisusingPolicyanalysisusingandPracticeKnowledgeaboutTheoreticalandpracticalknowledgeaboutpoliciesKnowledgeaboutpoliciesReserveBank ofIndia		Discuss econometric problems and
variablesandspecification, estimationestimationandevaluationof dummy variable modelsExplainthequalitativeresponse models and its applicationsMalysingspecificationerrors, its consequences, detectionand remediesForecastingusingestimatedmodelsPolicyanalysisusingeconometric modelsandPracticeECO3EO1Banking: Theory andPracticalKnowledge about the structure and functions of central banksTheoreticalandpractical knowledgeandpractical knowledgeMathematicalKnowledgeaboutpoliciesof ReserveBank ofIndiamodelsMathematical knowledgemodels		remedial measures
variablesandspecification, estimationestimationandevaluationof dummy variable modelsExplainthequalitativeresponse models and its applicationsMalysingspecificationerrors, its consequences, detectionand remediesForecastingusingestimatedmodelsPolicyanalysisusingeconometric modelsandPracticeECO3EO1Banking: Theory andPracticalKnowledge about the structure and functions of central banksTheoreticalandpractical knowledgeandpractical knowledgeMathematicalKnowledgeaboutpoliciesof ReserveBank ofIndiamodelsMathematical knowledgemodels		Understanding the dummy
estimation and evaluation of dummy variable modelsExplain the qualitative response models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsPolicy analysis using econometric modelsmodelsSecond ECO3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of India		
Explain the qualitative response models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsPolicy analysis using econometric modelsPolicy analysis using econometric modelsBECO3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of India		estimation and evaluation of
Explain the qualitative response models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsPolicy analysis using econometric modelsPolicy analysis using econometric modelsBECO3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of India		dummy variable models
models and its applicationsAnalysing specification errors, its consequences, detection and remediesForecasting using estimated modelsPolicy analysis using econometric modelsPolicy analysis using econometric modelsandPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of India		· ·
Analysing specification errors, its consequences, detection and remediesForecasting using estimated modelsPolicy analysis using econometric modelsBeco3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of India		
consequences, detection and remedies Forecasting using estimated models Policy analysis using econometric models Policy analysis using econometric models andPractice Knowledge about the structure and functions of central banks Theoretical and practical knowledge about policies of Reserve Bank of India		
remedies remedies Forecasting using estimated models Policy analysis using econometric models Become and Practice Knowledge about the structure and functions of central banks Theoretical and practical knowledge about policies of Reserve Bank of India		
Forecasting using estimated models Policy analysis using econometric models Policy analysis using econometric models ECO3 E01 Banking: Theory andPractice Knowledge about the structure and functions of central banks Theoretical and practical knowledge about policies of Reserve Bank of India		· ·
Policy analysis using econometric modelsECO3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical and practical knowledge about policies of Reserve Bank of India		
Image: modelsmodelsECO3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical knowledge about policies of Reserve Bank of India		
ECO3 E01 Banking: Theory andPracticeKnowledge about the structure and functions of central banksTheoretical knowledge about policies of Reserve Bank of India		
andPractice functions of central banks Theoretical and practical knowledge about policies of Reserve Bank of India		
Theoretical and practical knowledge about policies of Reserve Bank of India		-
knowledge about policies of Reserve Bank of India	andPractice	
Reserve Bank of India		1
		U 1
Knowledge about the structure and		
		Knowledge about the structure and

	functions of commercial banks
	An understanding about specialized
	financial and investment
	institutions
	Familiarize the trends in
	innovations in the banking
	transactions
	An awareness on the banking sector reforms in India since 1991
	Develop an overview about
	international banking and
	multinational banking
ECO4 C12 - International	An understanding about the
Finance	Balance of Payments concepts and
	Adjustment Mechanisms
	Comprehend the concept Exchange
	Rate and Theories of Exchange
	Rate and Theories of Exchange
	Awareness about the Foreign
	Exchange Market and Mundell-
	Fleming model
	Knowledge about International
	Capital Flows
	An awareness about International
	Monetary System
ECO4 C13 Financial	Understand structure and functions
Markets	of financial market
	Knowledge about the concepts of
	financial inclusion and inclusive
	growth
	Analyse the instruments of money
	market
	Examine the reforms in the Indian
	money market
	Understand the capital market
	instruments and institutions
	Examine the capital market
	reforms and the role of SEBI in
	capital market
	Evaluate the trading mechanism in
	stock exchange
	Identify the various types of
	derivatives and trade mechanism in
	derivative market
	Differentiate between options and
	future market
1	

	Acquire on owereness on trends in
	Acquire an awareness on trends in the global financial markets
ECO4 E01 Advanced	
	Understand Qualitative regression
Econometrics	models and its applications
	Understand the dynamic
	econometric models, their
	estimation methods
	Differentiate fixed effects and
	Random effects regression models
	in the context of panel data
	Estimation of Simultaneous
	equation models
	Explain the importance of
	instrumental variables and the
	estimation of instrumental variable
	regression model
	Understand basic concepts of time
	series econometrics and tests of
	stationarity
	Estimation and forecasting of
	stochastic process models
	Estimation and forecasting of
	ARCH and GARCH models
ECO4E10 Research	11
Methodology and Computer	Social Science Research
Applications	Explain formulation of hypothesis
	in Research
	Explain research design based on
	different methods of research
	Describe data collection methods
	and tools
	Describe data compilation, coding
	and analysis techniques
	Understand Report Writing
	procedures
	1
	5 6
	statistical methods with the help of
	excel package
	Tabulation and analysis of data
	using SPSS
ECO4 P14- Project	Understand different research
	methods and methodology
	Understand the main secondary
	data sources of economic variables
	Experience sample survey methods
	Understand tabulation and analysis

	of data
	Study Report Writing

BA ECONOMICS

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand different sectors and fiscal features of Indian economy and Kerala
	economy
PSO2	Understand economic theories on consumption, savings, investment and
	distribution at micro and macro levels
PSO3	Analyse theories of economic growth and development
PSO4	Understand the evolution of different schools of thought in economics
PSO5	Understand the fundamentals of financial economics, capital market and
	international economics
PSO6	Compute and interpret the economic indicators using mathematical and statistical
	techniques

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
ВА	ECONOMICS	ECO1 B01 Microeconomics I	To explore and understand the need to study economics
			To understand and analyse the demand and supply concepts
			To comprehend consumer behaviour and utility analysis
			To learn the concepts of production and costs
		ECO1 B02 Macroeconomics I	To get introduced to macro economics
			To examine the classical macroeconomics
			To comprehend the Keynesian macroeconomics
			To understand the concept of money in economics

ECO3 B03 Quantitative Methods for Economic Analysis - I	mathematical problems.
	Understand and will have an insight into multidimensional problems by the concept of matrices
	Arrange and summarize the raw data numerically and graphically.
	Identify and enumerate the relationship between variables, if it exists.
	Frame a mathematical model based on the relationship between the variables.
ECO3 B04 Microeconomics II	To understand the basic market structure and perfect competition To comprehend the monopoly market
	Toexploremonopolisticcompetition and oligopolyToexamine the pricing andmployment of inputsFor the price of the price
ECO4 B05Quantitative Methods for Economic Analysis II	Determine the continuity and differentiability of a function and do the differentiation for the function.
	Construct and interpret the index numbers for a real-life situation.
	Recognize and interpret the trend of a phenomenon, at a basic level using time series.
	Evaluate the population trend using fertility and mortality rates.
	Explain and calculate the probability of simple and compound events.
ECO4 B06 Macroeconomics II	To comprehend the working of IS-LM model in the economy at an aggregate level
	To explore the theories of inflation and unemployment

	To examine the business cycles and its effects
	To enable a detailed analysis of the fiscal and monetary policy
EC05 B07 Fiscal Economics	Understand the meaning and scope of public finance
	Knowing the type of goods specially public goods, private goods, mixed and merit goods
	Discuss the meaning and importance of public expenditures and related theories
	Understand the concept of Project evaluation and Cost Benefit Analysis
	Identify the sources of sources of public revenue –Impacts, Incidence and Shifting of taxation Discuss the concept of public debt and debt management
	Examine the budget and types of budget
	Understand the functioning of the federal finance, Examine the functions of Finance Commission Understand the functioning of the local finance
ECO5B08 India's economic development	Understand the development experience in India during pre and post independent period Analyse the economic reforms since 1991
	Explain the sectoral contribution of Agriculture and Industry
	Explain the trend in agriculture and industrial sector in India
	What are the challenges facing Indian Economy and the remedial measures to overcome the challenges.

	Examine the Kerala Model of Development
ECO5 B09 Economics of Capital Market	An understanding about the characteristics of different financial assets Knowledge about the basic concepts, structure and functions of capital market An understanding about the capital market instruments and institutions
	Understand the role of SEBI in capital market
	Gain knowledge about the functions of primary market and its intermediaries Identify the methods of issue in the new issue market and its applications
	Knowledge about secondary market and functioning of stock exchanges An awareness about various stock market indices
ECO5 B10 Mathematical Economics	importance of mathematical economics
	Gain an understanding about various economic functions
	Estimate average functions, marginal functions and elasticity
	Calculate profit maximizing output and cost minimizing output using Lagrangian multiplier and substitution methods
	Differentiate production functions including homogenous, non homogenous, linear and non linear functions

	Identify the properties of CD production function
	Apply linear programming for constraint optimisation
	Determine market equilibrium under perfectly competitive, monopoly, monopolistic and oligopoly markets
ECO5 D01 Economics in Everyday Life	An understanding about the Basic Concepts and the Methods of Economics Knowledge about the basic
	Microeconomic Concepts
	An understanding about the Macro Economic Concepts
ECO6 B11 Financial Economics	Familiarize the concepts of financial economics, time value of money and investment criteria Identify and analyse different types of risks and return
	Evaluate the cost of capital and use of the CAPM model in investment analysis
	Understand the fundamentals of valuation of securities
	Analyse the derivatives market comprising of forwards, futures and options
ECO6B12 International Economics	Understand the importance of internal and international trade
	Explain the superiority of Modern theory of trade by comparing other theories.
	Examine the commercial policy of international trade.
	Explain different forms of economic integration

	Examine different systems of foreign exchange determination
	Explain the equilibrium and disequilibrium in Balance of Payment
ECO6 B13 Development of Economic Thought (Sem VI)	Discuss the ideas and contributions of Mercantilists to economic thought
	Understanding the major ideas and contributions of Physiocrats to economic thought
	Understanding the ideas of British political economists mainly on value, price, profit, wage and income distribution
	Knowing the ideas of major Classicals and Keynes
	Discuss the term socialism, French socialism, and Marxism
	Understanding the major contributions of Early Indian economic thought
	Discuss the colonial economic policies and nationalist responses
ECO6B14 Economics of Growth and development	Understand concepts of growth and Development and different measures of Development Examine evolution of theories of Growth and Development
	Examine different perceptions about development and underdevelopment Understand facts about economic growth
	Understand concepts of poverty &inequality and its measurements
	Examine the concepts of sustainable development, models and issues of environment

ECO6 B Methodology	15 Research	Understand the importance of research methodology for understanding social reality Exposure to the fundamental techniques and methods in social research Familiarize with the quantitative and qualitative strategies of research in social science Understand the statistical packages for data analysis Equip to develop research and work with a research problem Understand Report writing
ECO6 B	17 Behavioral	An awareness about Behavioural Economics Examine the Choice Under Risk & Uncertainty Gain knowledge about the Inter- temporal Choice Familiarize the concept of Behavioral Game Theory

MA SOCIOLOGY

PROGRAMME SPECIFIC OUTCOMES

PSO1	The programme can provide a comprehensive overview of the foundational concerns and current debates in sociology, and offers a range of options for
	exploring applications in specific areas of research.
PSO2	Learn about current theoretical tools and develop skills in research and data
	analysis, which can be used in a range of professional fields.
PSO3	The sociology MA program provides a solid foundation in community studies, family studies, gender, environment, demography, development, kinship, social inequality etc.
PSO4	Prepare them for work in a range of careers that value analytical ability, the

	capacity to link theoretical sophistication to empirical research, and the skill of communicating complex ideas to a range of audiences		
PSO5	The programme is also an excellent basis for pursuing further research in sociology or more specialised or applied subjects.		

COURSE OUTCOMES

MA SOCIOLOGY (2019-20)

SEMESTER I & II

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
MA (1 st sem) (2019 Admission)	SOCIOLOGY	SOCIC01 FOUNDATIONS OF SOCIOLOGICAL THEOR Y	Understand the intellectual and historical forces for the development of Sociological theory. Comprehend and analyse the contributions of pioneering figures in Sociology. Analyse the relevance of the classical theory in contemporary societies.
		SOCICO2 RESEARCH METHODOLOGY OF SOCIOLOGY	Understand the differences between qualitative and quantitative research methods. Analyse the steps in social research. Understand the tools and techniques for data collection.
		SOCICO3 SOCIOLOGY OF INDIAN SOCIETY	Understand the historical emergence of Indian Society from pre-independent to post independent period as well as development of India as a nation based on the perspectives of A R Desai, Rama Chandra Guha and Satish Deshpande. Comprehend the development of sociology in India as well as to analyse significant approaches for studying Indian Society.

			Develop an ability to compare and contrast different approaches to study Indian Society which is emphasizing on different aspects. Get an overview to analyse contemporary issues faced by Indian society with possible solutions reflecting on Nehru's Constituional view as well as Nationalistic view of Gandhi, Tagore which is the basis of Indian Society.
		SOCI C04 RURAL AND TRIBAL SOCITIES IN INDIA	Get familiar with the basics of rural and tribal societies in our country. Understand and analyse the major problems faced by tribes. Comprehend the trajectory of rural societies. Get an overview of the rural and tribal social institutions.
MA (2 nd sem) (2019 Admission)	SOCIOLOGY	SO2 C 05 SCHOOLS OF SOCIOLOGICAL THEORY I	Get familiarized with different strands of Functionalist school of thought to study society with a critical perspective. Critically examine distinct conflict perspectives and their significance in contemporary society. Differentiate different theories of symbolic perspective as well as its uniqueness in perceiving society from other schools. Critically analyse the significance of Phenomenological as well as ethnomethodological perspective in Sociology. Get an over view of major schools of thought, their limitations as well as comparison with other perspectives.

S0C2C06 RESEARCH METHODOLOGY II	 Analyse the scaling techniques and various types of scales. Apply statistical measures in social research. Understand the process and analysis of data. Understand various types of reports and format of reports.
SOC2 C07 URBAN SOCIOLOGY	Familiarise with the basic ideas of Urban Sociology. Comprehend Urban Ecological Processes and theories. Understand and analyse recent theoretical developments in Urban Sociology. Get an overview of Urbanisation in Indian Context. Ability to critically analyse Urban Society.
SO2 CO8 GENDER STUDIES	Get an overview of feminism, its origin, development, different waves as well as perspectives. Get familiarized with different concepts related to gender studies. Critically analyse theories which covers distinct aspects of gender. Understand the gender dynamics in India and the representation of gender. Analyse the gender in Kerala society.

SEMESTER III & IV

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
MA (3 rd sem) (2016 Admission)	016	VPSO3C09 SCHOOLS OF SOCIOLOGICAL THEORY II	Understanding the evolution and growth of critical theory. Trace out the historical development of Phenomenology and Ethnomethodology. Analyse the scope of micro macro integration as a theoretical paradigm in Sociology. Get familiarized with Structuralism as a major theoretical perspective.
		VPS03C10 SOCIOLOGY OF DEVELOPMENT : THEMES AND PERSPECTIVES	Understand distinct typologies of development as well as its relation with social structure and culture. Develop an ability to comprehend as well as to analyse distinct theories on development and underdevelopment. Examine different paths of development, its application in India as well as resistantmovements against the negative impact of development. Critically understand Kerala Model of Development . Direct exposure to the activities of local self administration by field visit.
		VPSO3E01 ENVIRONMENTAL SOCIOLOGY	Get familiarized with the major concepts related to environment. Understanding major theoretical perspectives related to Environmental Sociology. Analyse the major environmental problems. Trace out the trajectory of environmentalism.
		VPSO3E02 PROJECT PLANNING AND PREPARATION	Get familiarized with the basic steps involved in project planning and preparation.

			Get an overview for project implementation and planning. Bring out the ability among students for preparing project report and evaluation. Ability to prepare and present project report.
MA (4 th sem) (2016 Admission)	SOCIOLOGY	VPSO4C11 CURRENT DEBATES IN SOCIAL THEORY	Understand the current debates in social theory Analyze the theories on culture and society Understand late modernity theories in Sociology
		VPSO4C12 WOMEN STUDIES	Get familiarised with theories of feminism and methodologies in women research. Critically analyse the role of women in economy as well as distinct concepts related to economy which demarcates male and female. Articulate knowledge about women's representation in politics as well as laws for the Protection of women. Diagnose the contemporary problems faced by women in india , its solution as well as feminist movements in a critical perspective.
		VPSO4E01 SOCIOLOGY OF MEDIA AND COMMUNICATION	Understand the basic concepts related to media Analyse the theoretical perspectives related to media Understand the relationship between media and society

	VPSO4E09 Course Tit GUIDANCE AN COUNSELING	8
--	---	---

BA SOCIOLOGY

PROGRAMME SPECIFIC OUTCOMES

SL.NO.	PROGRAM SPECIFIC OUTCOMES
PO1	Understand the relationship between social structure, identities and inequalities.
PO2	Explore social problems in local, national and global contexts by using research methods of sociology.
PO3	Creating generalizations or descriptions about the changing social world.

COURSE OUTCOMES

BA SOCIOLOGY (2019-20)

SEMESTER I & II

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
BA (2019 Admission)	SOCIOLOGY	SGY1B01: BASICS OF SOCIOLOGY	Understand the relation between the individual and society Understand the parts and processes within society Understand social process and its various types
		SGY2B02: INDIAN SOCIETY: STRUCTURE AND TRANSFORMATION	Understand the sociological perspectives on the study of the dynamics of Indian Society Analyze various institution in Indian society and its major changes Analyze the issues and challenges of contemporary society
BA (2019 Admission)	Economics (Complementary)	SGY1 (2) C01: PRINCIPLES OF SOCIOLOGY	Understanding that society can be studied scientifically Recognize the contributions of social sciences in understanding contemporary social realities Develop sociological perspective on

			current issues
BA (2019 Admission)	Economics (Complementary)	SGY1 (2) C01: PRINCIPLES OF SOCIOLOGY	Understanding that society can be studied scientifically Recognize the contributions of social sciences in understanding contemporary social realities Develop sociological perspective on current issues

SEMESTER III & IV

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
BA S (2016 Admission)	SOCIOLOGY	VSO2B03 SOCIAL INFORMATICS	Understand concepts and functional knowledge in the field of informatics Functional knowledge in a standard office package and popular utilities Understand social issues and concerns related to informatics
		VSO2 B04 FOUNDATION OF SOCIOLOGICAL THEORIES	Understand the formation of sociological thought Understand the intellectual and philosophical foundations of Sociological theories and contributions of Classical theorists to Sociology.
BA (2016 Admission)	SOCIOLOGY	VSO2 B04 FOUNDATION OF SOCIOLOGICAL THEORIES	Understand the formation of sociological thought Understand the intellectual and philosophical foundations of Sociological theories and contributions of Classical theorists to Sociology.
		VSO4B05 SOCIAL RESEARCH METHODS	Understand of fundamentals of social research Analyze different types and methods in social research distinguish the characteristics of qualitative and quantitative research

Semester V	<u>V &VI</u>		
PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
BA (2016 Admission)	SOCIOLOGY	VSO5 B07 INDIAN SOCIETY AND SOCIAL CHANGE	Understand the sociological perspectives on the study of the dynamics of Indian Society Analyze various institution in Indian society and its major changes
		VSO5B08 THEORETICAL PERSPECTIVES IN SOCIOLOGY	understand the nature and characteristics of different schools of Sociological theories and theoretical analysis Understand the intellectual roots of modern Sociological theories and major contributors in different Schools of thought
		VSO5B09 SOCIAL ANTHROPOLOGY	Understand the basic concepts in social anthropology Analyze the anthropological studies on culture and society,tribes in India etc
		VSO5B10 RESEARCH METHODS AND STATISTICS	Understand the basics in social statistics Understand the sampling techniques, data management and presentation Enable to write report
	Open Course	VSO5D01 LIFE SKILL DEVELPMENT	Knowledge of necessary life skills in everyday life Understand the individual role in addressing issue relevant to the life situations Enable the students to establish productive interpersonal relationships

			with others
BA (2016 Admission)	SOCIOLOGY	VSO6B11 ENVIRONMENT AND SOCIETY	Understand the basic arguments in environmental Sociology. Analyse the theoretical discussions in Environmental Sociology. Understand the environmental issues and the need for conservation.
		VSO6B12 SOCIOLOGY OF MASS COMMUNICATION	Understand the meaning, functions and various types of media. Understand various theories on media and communication. Discuss the concepts of media and society.
		VSO6B13 WOMEN AND SOCIETY	Understand the importance of women studies Analyze gender differences and various gender issues
		VSO6 B14 POPULATION AND SOCIETY	Understand theoretical explanation of population studies and related concepts Analyze various population theories Understand various changes in population in society
		VSO6E01 SOCIOLOGY OF DEVELOPMENT	Understand the various concepts and perspectives of development Evaluate the theories of development and underdevelopment Understand the development and dilemmas related to development in Indian context Analyze development experience in

	Kerala

HISTORY (AS COMPLEMENTARY COURSE FOR BA ECONOMICS AND BA ENGLISH)

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
BA	Economics	HIS1C01 – MODERN INDIAN HISTORY (1857 TO THE PRESENT): I	CO1 - Understand the entry of European powers to India
			CO2 -Identify the modes of expansion and consolidation of East India Company Rule
			CO3 - Analyze the modes of resistance against British rule. CO4 -Recognise the contemporary
			socio-religious changes CO5 -Understand the emergence of
			nationalism among Indians CO6-Identify the features of early
			phases of national movement
			CO7 - Analyse the economic critique of colonialism
			CO8 -Understand the emergence of mass movements against the British
		HIS2C01 – MODERN INDIAN HISTORY (1857 TO THE PRESENT): II	CO1 - Understand the Gandhian tools for struggle against British
			CO2 - Recognise the various Gandhian constructive programmes
			CO3 - Understand the critique of Gandhian methods
			CO4 - Identify the foundations of Indian republic
			CO5 - Analyze the changes in economy in post-independent India

			CO6 - Understand the issue of communalism in India after independence.
BA	ENGLISH	HIS1C03 – SOCIALAND CULTURAL HISTORY OF BRITAIN: I	CO1 - Identify the early invasions of groups to British Isles
			CO2 - Understand and analyse the nature of Anglo-Saxon life
			CO3 - Analyze the medieval social formations and institutions
			CO4 - Understand the early literature in Old and Middle English language
			CO5 - Understand the rise of Tudor dynasty in England
			CO6 - Identify the changes in economy and society in early modern Britain
		HIS2C03 – SOCIAL AND CULTURAL HISTORY OF BRITAIN: II	CO1 - Study the history of major revolutions in modern world and its impact on British history and literature
			CO2 - Understand the rise of various new trends in literature
			CO3 - Analyze the emergence of Britain as a colonial power
			CO4 - Understand the aspects of life in Victorian and post-Victorian England
			CO5 - Analyze the role of Britain in the post-colonial world
			CO6 - Identify the various literary trends of the late nineteenth and twentieth century.

POLITICAL SCIENCE (AS COMPLEMENTARY COURSE FOR BA SOCIOLOGY AND BA ENGLISH LITERATURE)

PSO1	Understand about party system, regionalism, procedure of amendment,
PSO2	Understand the electoral process and organization of bureaucracy
PSO3	Understand the main features of Indian federal system, centre state relations and three
	tier system of decentralization,
PSO4	Understand the challenges to Indian Democracy

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
Complementary program	Political Science	VPS3C03-Indian Constitution And Politics - Political Dynamics	Explain the features of the Indian Party System
			Analyze the growth, ideology and
			Programmes of 7 National Parties
			Scrutinize the reasons for the growth of
			Regionalism
			Examine ideology and programme of Major Regional Parties
			Assess the electoral process, composition and functions of the Election Commission
			Identify the need for Electoral Reforms
			Explain the methods and procedure for amending the Constitution
			Identify the three types of services in India
			Illustrate the composition ,power and
			functions of the Union Public Service
			Commission and the State Public
			Service Commission
		VPS4C04-Indian Constitution and Politics –Federal dynamics and decentralization	Explain the characteristic features of Indian Federalism
			Examine the Legislative, Administrative and Financial Relations between Centre and State
			Study the constitutional impact of National, State and Financial Emergency
			Discover the significance of the 73 rd and 74 th Amendment
			Determine the merits and demerits of
			Reservation policy in India
			Investigate the challenges to Indian
			Democracy- Communalism, Religious
			fundamentalism, Criminalization of politics
			List the composition and functions of
			Finance Commission, NITI AYOG,
			National Development Council

<u>COMPLEMENTARY COURSE IN POLITICAL SCIENCE FOR</u> <u>BA ENGLISH LITERATURE & BA SOCIOLOGY PROGRAMME (2019 ADMISSION)</u>

PSO1	Understand the process through which the constitution of India came into existence, its salient		
	features, its philosophical base, fundamental rights, fundamental duties and directive		
	principles of state policy		
PSO2	Understand the structure and functions of different organs of governments in India;		
	legislature, executive and judiciary,		
PSO3	Understand the main features of Indian federal system, centre state relations and three tier		
	system of decentralization ,procedure of amendment		
PSO4	Understand about party system, regionalism, challenges to Indian Democracy		

Course Outcomes

Programme	Programme	Course Code and Name	Course Outcomes
	Specialization	of Course	
BA	Complementary	(ICP1 (2) CO1)Indian	Define Constitution and its importance
	Course-	Constitution and Politics:	Trace the history of the Constitutional
	Political Science	Basic Features and	Development – Acts of 1909 1919, 1935
		Governmental Structures	&1947
			List the characteristic features of the
			Indian Constitution, Explain the key
			words and objectives of the Preamble
			Assess the Fundamental Rights
			,Fundamental Duties Directive
			Principles of State Policy
			List the power and functions of the
			President, Vice President, Council of
			Ministers, Prime Minister
			Explain the composition, powers and
			functions of Lok Sabha and Rajya
			Sabha, Outline the functions and role of
			the Speaker
			List the power and functions of the
			Governor and Chief Minister
			Understand the composition, powers
			and functions of Legislative Assembly
			and Legislative Council
			Identify the three types of services in India Illustrate the composition ,power
			and functions of the Union Public
			Service Commission and the State
			Public Service Commission and the State
			Examine the composition, jurisdictions
			and functions of Supreme Court and
			High Court
			Appraise the concept of Judicial Review
			represe the concept of judicial Review

	and Judicial Activism
VPS4 (3) CO2)	Explain the characteristic features of
Indian Constitution and	Indian federalism ;Examine the
Politics: Federalism,	legislative, administrative and financial
Decentralization and	-
Political Dynamics	
	Examine the composition and functions
	of Finance Commission, NITI AYOG,
	GST Council National Development
	Council
	Challenges to Indian federalism
	Explain the significance of the 73 rd and
	74 th amendment with reference to
	Kerala
	Explain the 3 types of amendments of
	the Constitution Major Amendments to
	the Constitution
	Explain the features of the Indian Party
	System; Analyse the growth, ideology
	and programmes of 7 national parties ;
	Examine ideology and programmes of
	major regional parties: Scrutinize the
	reasons for the growth of regionalism
	Examine the Constitutional provisions
	to protect human rights - Civil and
	Political rights, Socio Economic and
	Cultural rights Protection of minorities
	- religious, linguistic and sexual
	minorities, Right to Information Act

PSYCHOLOGY (AS COMPLEMENTARY COURSE FOR BA SOCIOLOGY)

PSO1	Understand the nature of basic concepts and theories of Psychological Processes
PSO2	Understand the nature of abnormal behavior
PSO3	Understand the nature of social behavior

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
Complementary	Psychology	VPY3C03	Understand the meaning and
program in		Abnormal psychology	classification of mental disorders

Davahalagy for	(a2 appiploart)	Identify the clinical factures and
Psychology for	(s3 sociology)	Identify the clinical features and
BA sociology		types of anxiety disorders
		Identify the clinical features and
		types of somatoform disorders
		Identify the clinical features and
		types of dissociative disorders
		Identify the signs, symptoms and
		clinical features of schizophrenia
		Identify the signs, symptoms and
		clinical features of mood
		disorders
		Understand the definition, nature
	VDV4C04	
	VPY4C04	and scope of social psychology
	Psychology of Social	
	Behavior(S4 Sociology)	Identify the components and
		characteristics of attitude
		Identify the factors influencing
		attitude formation and attitude
		change
		Understand the aspects of social
		perception-nonverbal
		communication, attribution,
		impression formation and
		1
		impression management
		Understand the aspects of social
		cognition-schema, heuristics,
		priming, automatic and controlled

processing
Evaluate the potential sources of error in social cognition
Understand the nature, functions and concepts of group –social facilitation, social loafing, deindividuation
Understand the process of decision making in groups Understand the aspects of social influence-conformity, compliance techniques, obedience to authority
Understand the theoretical perspectives and features of prosocial behavior Understand the theoretical
perspectives, features ,prevention and control of aggression

<u>COMPLEMENTARY COURSE IN PSYCHOLOGY FOR</u> <u>BA SOCIOLOGY PROGRAMME (2019ADMISSION)</u>

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the nature of basic concepts and theories of Psychological Processes
PSO2	Understand the nature of abnormal behavior and social behavior

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
Complementary	Psychology	PSY1C05 /PSY2C05	Understand the meaning,
Program in		Psychological Processes	historical background and
Psychology for		(for S2 Sociology)	research methods of Psychology
BA Sociology			Explain the basic processes in

sensation, attention and
perception
Understand the theoretical
perspectives of learning
Understand the key processes in
memory, theories of Forgetting
and strategies for remembering
Understand the thought processes
Understand the motivational
processes, types of motives
Evaluate the theories of emotion
Evaluate the theories of emotion
Evaluate the theories of
intelligence
Understand the assessment of
intelligence
Understand the concept of
Understand the concept of emotional intelligence
emotional intelligence
Evaluate the nature, determinants
and theories of personality
Understand the assessment of
personality
1 5

M.Sc MATHEMATICS

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the relation between different branches of Mathematics like Real analysis,
	Complex analysis and Functional Analysis
PSO2	Understand the various Mathematical structures using Topology, Abstract Algebra,
	Differential Geometry and Discrete Mathematics.
PSO3	Understand Number system in Number Theory and Algebraic Number theory.
PSO4	Solve real life problems using Differential equations, Graph theory and Opeartions
	research.

PROGRAMME PROGRAMME	COURSES	OUTCOME
---------------------	---------	---------

	SPECIALIZATION		
M.Sc	MATHEMATICS Semester 1	MTH1C01 - ALGEBRA - I	Understand the concept of Groups
			Apply group action on a set
			Understand the basics of Rings and Fields
		MTH1C02 - LINEAR ALGEBRA	Understand vector spaces and linear transformations
			Application of inner product spaces
		MTH1C03 - REAL ANALYSIS - I	Understand the definition and basic concept Topology
			Analyselimits and continuity of Real numbers
			Apply methods of differentiation
			AnalyseSequences and Series of Functions - Discussion of Main problem, Uniform convergence, Uniform convergence and continuity, The Stone – Weierstrass Theorem.
		MTH1C04 - NUMBER THEORY	Analyse and understand the Arithmetical Functions and Dirichlet Multiplication
			Understand the basic concepts and levels of Congruences, Quadric Residues and Quadratic Reciprocity Law.
			Study of Cryptography, Public Key and apply in real life problems.
		MTH1C05 -DISCRETE MATHEMATICS	Study of Order Relations, Lattices; Boolean Algebra – Definition and Properties, Boolean Functions.
			Understand Graph
			Design grammars and automata for different language.
	Semester 2	MTH2C06 - ALGEBRA – II	Understand the concept of prime and maximal ideals.
			Understand finite fields and automorphism of fields Understand splitting fields and separable

	extensions
	Understand Galois theory, cyclotomic extension and insolvability of the Quintic
MTH2C07 - REAL ANALYSIS - II	Understand the concepts of Lebesgue Outer measure, measurable sets and functions, Borel and Lebesgue measurability.
	Understand the concepts of functions of Bounded Variations. Lebesgue Differentiation theorem.
	Understand the concepts Signed measures, Hahn Decomposition, Jordan decomposition.
	Understand Riesz Representation Theorems
MTH2C08 - TOPOLOGY	UNDERSTAND TOPOLOGICAL SPACES
	UNDERSTANDCONTINUOUSFUNCTIONSAMONGTOPOLOGICALSPACESQUOTIENT SPACES
	UNDERSTAND THE CONCEPT OF SEPARATION AXIOMS
	UNDERSTAND URYSOHN CHARECTERISATION OF NORMALITY
MTH2C09 - ODE AND CALCULUS OF VARIATIONS	Interpret and analysePower Series Solutions and Special functions
	Understand Systems of First Order Equations; Non linear Equations
	Understand and Analysethe Existence and Uniqueness of Solutions, The Calculus of Variations.
MTH2C10- OPERATIONS RESEARCH	Apply the method of minimum spanning tree in solving minimum path problems
	Apply Simplex method or Dual Simplex Method to solve linear programming problems

		Applying graphical method in solving problems of game theory
		Apply Kuhn-Tucker theory to solve convex and non linear programming problems
Semester 3	MTH3C11- MULTIVARIABLE CALCULUS AND GEOMETRY	Understand the concept of functions of several variables, the concept of their differentiation and linear transformation
		Understand the concept of curve and their properties. Find curvature and torsion of curves.
		Understand the concept of surfaces and their properties
	MTH3C12 -COMPLEX ANALYSIS	Understand Conformality, Linear Transformations, Elementary Conformal Mappings, Fundamental Theorems.
		Understand Cauchy's Integral Formula, Local Properties of Analytic Functions, The General Form of Cauchy's Theorem, Calculus of Residues.
		Analyse Harmonic functions, Power series Expansions, Maximum principle.
	MTH3C13 - FUNTIONAL ANALYSIS	Understand Metric spaces and Continuous Functions
		AnalyseInner product spaces
	MTH3C14 - PDE AND INTEGRAL EQUATIONS	AnalyseBanach spaces Understand and analyseFirst Order PDE
		Analyse and solving Second Order PDE
		Study of Integral Equations.
	MTH3E03- MEASURE AND INTEGRATION	Define and understand basic notions in abstract integration theory.
		Describe and apply the notion of

		measurable functions and sets
		Describe the notion of absolute
		continuity and apply Lebesgue's
		decomposition theorem
Semester 4	MTH4C15-	Understand the concept of spectrum and
	ADVANCED	their properties, compact operators and
	FUNCTIONAL	self adjoint operators.
	ANALYSIS	
		Understand the properties of orderings.
		Study the fundamental theorems and basic results.
	MTH4E06-	Understand the concept of algebraic
	ALGEBRAIC	numbers and algebraic integers.
	NUMBER THEORY	
		Understand the concept of factorization.
		Understand the concept of lattices and
		their properties.
	MT4E09	- Analyze vector fields on surfaces
	DIFFERENTIAL	
	GEOMETRY	
		Understand Geodesics and parallel transport
		Understand the concept of curvature and
		use this to find Arc length and line
		integrals.
		Understand local equivalence of
		surfaces and parametrized surfaces
	MTH4C11-GRAPH	Know some important classes of graph
	THEORY	theorectc problems,
		Identify induced subgraph, clique, matchings
		Use graph theory as a modeling tool

B.Sc MATHEMATICS-2019-20

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the foundations of mathematics and the importance of logic.
PSO2	Solve problems using differentiation, Linear algebra, Vector algebra and Numerical
	methods.
PSO3	Understand Abstract algebra, real number system, complex number system and
	natural number system.
PSO4	Solve real life problems using Differential equations and Linear programming.

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
B.Sc	MATHEMATICS (Core Courses) Semester 1	MTS1B01 –Basic Logic and Number Theory	Proves results involving divisibility, greatest common divisor, least common multiple and a fewapplications. Understands the theory and method of solutions of LDE.
			Understands the theory of congruence and a fewapplications.
			Solves linear congruentequations.
			Learnsthreeclassicaltheorems <i>viz</i> .Wilson' stheorem,Fermat'slittletheoremandEuler 's theorem and a few important consequences
	Semester 2	MTS2B02 – Calculus of Single variable - 1	Introduces the fundamental ideas of limit, continuity and differentiability Understands basic theoremsof <i>differentialcalculus</i>
			Applies of differential calculus in real life situations Understands integral calculus
	Semester 3	MTS3B03– Calculus of Single variable - 2	Understands Exponential and Logarithmic functions
			Understands improper integrals their convergence and evaluation.
			Studies of convergence of a <i>series</i> , which is practically done by applying

	1	
		several different tests such as integral test, comparison test and so on
		A detailed study of plane and space
		curves
		Applies <i>vectors</i> in dealing with the problems involving geometry of lines, curves, planes and surfaces in space and have acquired the ability to sketch curves in plane and space given in vector valuedform.
Semester 4	MTS4B04 – Linear Algebra	Discusses a number of methods for solving a system of linear equations
		Understands the modern view of a matrix as a linear transformation
		Enables the student to understand the relationship among the solutions of a given system of linear equations and some important subspaces associated with the coefficient matrix of thesystem.
		Discusses practical method of finding out the eigenvalues from the characteristic equation and the corresponding eigenvectors.
		Learns a few fundamental results involving diagonalization and eigenvalues which enable them to check whether diagonalization is possible
		Study of <i>spectral decomposition</i> of a symmetric matrix. In this process, students realise that every symmetric matrix is diagonalizable and that this diagonalization can be done in a special way ie., by choosing an <i>orthogonal matrix</i> to perform the diagonalization
		Understands Gram-Schmidt process
		Learns the fundamentals of linear algebra by capturing the ideas geometrically, by justifying them algebraically and by preparing them to apply it in several different fields such as data communication, computer graphics, modelingetc.

Semester 5	MTS5 B05 - THEORY	Derives formulae for the solutions of
Semester 5	OF EQUATIONS AND	third and fourth degree polynomial
	ABSTRACT	equations given by Carden and Ferrari
	ALGEBRA	equations given by Carden and Ferrari
		Learns the relationship between the
		roots and coefficients of an <i>nth</i> degree
		polynomial and an upper and lower limit
		for the roots of such a polynomial.
		Locates the region of solutions for a
		general polynomial
		Learns methods to find out integral and
		rational roots of a general nth degree
		polynomial with rational coefficients.
		Understands the abstract notion of a
		group, with several examples,
		Learns to check whether an algebraic
		system forms a group or not and some
		fundamental results of group theory.
		Explores the idea of structural
		similarity, the notion of cyclic group,
		permutation group, various examples
		and very fundamental results in the
		areas
	MTS5 B06 - BASIC	Learns and deduces rigorously many
	ANALYSIS	properties of real number system by
		assuming a few fundamental facts about
		it as axioms.
		Understandssequences ,their limits,
		several basic and important theorems
		involving sequences and their
		applications .
		Learns to prove Archimedean property,
		density theorem, existence of a positive
		square root for positive numbers and so
		on
		Understands some basic topological
		properties of real number system such as
		the concept of open and closed sets,
		their properties, their characterization
		and so on.
		Understands algebraic, geometric and
		topological structures of complex
		number system, functions of complex
		variable, their limit and continuity and
		so on.
	MTS5 B07-	Understands several methods such as

		1
	NUMERICAL ANALYSIS	bisection method, fixed point iteration method, regulafalsi method etc. to find out the approximate numerical solutions of algebraic and transcendental equations with desired accuracy.
		Understands the concept of interpolation and also learns some well known interpolation techniques.
		Understands a few techniques for numerical differentiation and integration and also realizes their merits and demerits.
		Applies numerical approximations to solutions of initial value problems and also to understand the efficiency of various methods.
	MTS5 B08 - LINEAR PROGRAMMING	Solves linear programming problems geometrically and understands the drawbacks of geometric methods.
		Solves LP problems more effectively using Simplex algorithm via. the use of condensed tableau of A.W. Tucker
		Converts certain related problems, not directly solvable by simplex method, into a form that can be attacked by simplex method
		Understands duality theory, a theory that establishes relationships between linear programming problems of maximization and minimization
		Solves transportation and assignment problems by algorithms that take advantage of the simpler nature of these problems
	MTS5 B09 - INTRODUCTION TO GEOMETRY 3 hours/week 3 Credits 75 Marks	Understands game theory Understands several basic facts about parabola, hyperbola and ellipse (conics) such as their equation in standard form, focal length properties, and reflection properties, their tangents and normal.
		Understands affine transformations, the inherent group structure, the idea of parallel projections and the basic properties of parallel projections Realises the basic difference in identifying two geometric objects in

		Euclidean and affine geometries.
		Understands the idea of homogeneous
		coordinate of a point in projective plane
		and write down the equation of a line in
		projective plane passing through two
		homogeneous coordinate
		Appreciates the advantage of
		interpreting a Euclidean theorem as a
		projective theorem by learning a simpler
		proof for Desargues and
		Pappu'stheorem.
		Applies cross ratio in the context of
		aerial photography
Comparte a C		
Semester 6	MTS6 B10 - REAL	States the definition of continuous
	ANALYSIS	functions, formulate sequential criteria
		for continuity and proves or disproves
		continuity of functions using this
 		criteria.
		Understands the significance of uniform
		continuity in continuous extension
		theorem.
		Formulates Cauchy criteria for
		integrability and a few applications of it.
		In particular using Cauchy criteria in
		proving the non integrability of certain
		functions.
		Understands two forms of fundamental
		theorem of calculus and their
		significance in the practical problem of
		evaluation of an integral.
		Understands the difference between
		pointwise and uniform convergence of
		sequences and series of functions
		Learns the properties of and relationship
		among two important improper integrals
		namely beta and gamma functions that
		frequently appear in mathematics,
		statistics, science and engineering
	MTS6 B11- COMPLEX	Understands the difference between
	ANALYSIS	differentiability and analyticity of a
		complex function and constructs
		examples.
		Understands definition of complex
		integral, its properties and evaluation.
		Few fundamental results on contour
		integration theory such as Cauchy's
		integration theory such as Caucity's

1	
	theorem, Cauchy-Goursat theorem and
	their applications.
	Applies Cauchy's integral formula in
	the derivation of power series expansion
	of an analytic function.
	Applies residue theory in locating the
	region of zeros of an analytic function.
MTS6 B12 -	Understands several contexts of
CALCULUS OF	appearance of multivariable functions
MULTI VARIABLE 5	and their representation using graph and
MOLTI VARIABLE 5	
	contour diagrams and formulates and
	works on the idea of limit and continuity
	for functions of several variables
	Understands the notion of partial
	derivative, their computation and
	interpretation.
	Calculates the maximum and minimum
	values of a multivariable function using
	second derivative test and Lagrange
	multiplier method.
	Applies double and triple integral in the
	problem of finding out surface area
	,mass of lamina, volume, centre of mass
	and so on.
	Learns three major results viz. Green's
	theorem, Gauss's theorem and Stokes'
	theorem of multivariable calculus and
	their use in several areas and directions.
MTS6 B13-	identifies a number of areas where the
DIFFERENTIAL	modelling process results in a
EQUATIONS	differential equation
	Learns to solve DEs that are in linear,
	separable and in exact forms and also to
	-
	analyse the solution
	Learns the theory and method of
	solving a second order linear
	homogeneous and nonhomogeneous
	equation with constant coefficients.
	Acquires the knowledge of solving a
	differential equation using Laplace
	method which is especially suitable to
	deal with problems arising in
	engineering field.
	Applies the technique of solving partial
	differential equations using the method
	of separation of variables
	or separation of variables

ELECTIVE	MTCC D14 (E01)	Learne the definition of a grant Courts
ELECTIVE	MTS6 B14 (E01)-	Learns the definition of a graph, Graphs
COURSE	GRAPH THEORY	as models, Vertex degrees, Sub graphs,
Semester 6		Paths and Cycles, Matrix representation
		of a graph
		Understands Bridges, Spanning Trees
		Cut Vertices and Connectivity and
		applies in solving problems
		Learns and applies Euler Tour,
		Hamiltonian Graphs, Plane and Planar
		graphs and Euler's Formula
OPEN COURSE	MTS5 D01- APPLIED	Understands the fundamental ideas of
Semester 5	CALCULUS	limit, continuity and differentiability
		Understands basic
		theoremsof differential calculus
		Applies differential calculus in real life
		situations
		Understands integral calculus
		AppliesIntegrals to Business ,
		Economics, Life and Social Sciences

B.Sc	MATHEMATICS (COMPLEMENTARY COURSE) Semester 1	MTS 1 CO1- Mathematics - 1	Understand Limits, concepts, continuity, derivative and linear approximation of curves
			Understands basic theorems of differentiation and integration.
			Applies the concepts in solving optimisation problems in real life.
			Understands the concepts of maximum and minimum values of functions using graphs.
			Applies integral calculus in finding areas, surface areas, volume of solids.
	Semester 2	MTS2C02- MATHEMATICS - 2	Understands the concepts of polar coordinates, trigonometric functions, hyperbolic functions, inverse hyperbolic functions.
			Understands the parameterisation of curves and applies the concept of polar coordinates in finding areas, arc length and area between curves

		Understands the ideas of improper integrals, their convergence, convergence of series and Taylor's formula
		Understands the concepts of vector space and examples of vector space.
		Applies the concepts of eigen values and eigen vectors in diagonalisation
Semester 3	MTS 3 CO3- Mathematics - 3	Understands the fundamental ideas of limits, continuity, differentiability of vector valued functions.
		Understands the concepts of curl and divergence of vectors
		Applies the concepts of multiple integrals in finding surface area, volume, flux
		Understands the concepts of complex number system, analyticity and differentiability.
		Applies the concepts of complex and contour integration
Semester 4	MTS4 CO4- Mathematics - 4	Understands the ODE, its solutions, Initial value problem and different types of ODE.
		Applies Laplace transforms and inverse transform for solving ODE
		Understands the concepts of Fourier series and its convergence
		Understand the methods of solving partial differential equations.

B Sc STATISTICS

PROGRAMME SPECIFIC OUTCOMES

PSO1	Demonstrate	the	ability	to	apply	fundamental	concepts	in
	exploratory da	ata an	alysis.					

PSO2	Design studies for obtaining data whilst avoiding common design		
	flaws that incur bias, inefficiency and confounding.		
PSO3	Demonstrate an understanding of the basic concepts of probability		
	and random variables.		
PSO4	Understand the concept of the sampling distribution of a statistic,		
	and in particular describe the behaviour of the sample mean.		
PSO5	Apply inferential methods relating to the means of Normal		
	distributions.		

Programme	Programme	Course code	Courses outcomes
1 ogramme	Specialization	and Name of	
	Specialization	course	
B.Sc.	STATISTICS	VST1B01-	To understand various
2	(CORE COURSE)	Basic	approaches to probability &
		Statistics and	compute probabilities.
		Probability	compare procacinates:
		VST2B02-	To understand the applications
		Bivariate	of theoretical discrete
		Random	distributions
		Variable and	
		Probability	
		Distributions	
		VST3B03-	To equip the students with the
		Statistical	theory essential for estimation
		Estimation	of unknown parameters
		VST4B04-	Identify a suitable test of
		Testing of	significance to test a given
		Hypothesis	hypothesis -large sample
			test/small sample test for testing
			different parameters
		VST5B05-	To introduce the mathematical
		Mathematical	concepts required to learn
		Methods in	theoretical statistics.
		Statistics	
		VST5B06-	To gain scientific and
		Statistical	experimental skills of the
		Computing	students
		VST5B07-	To equip students with
		Sample	Sampling Techniques used in
		surveys	conducting sample surveys
		VST5B08-	To provide an insight into
		Operations	quality assessment techniques
		Research and	
		Statistical	

		Quality	
		Control	
		VST6B09-	To expose statistics students to
		Time Series	the areas of time series and
		and Index	index numbers
		Numbers	
		VST6B10-	To discuss the analysis of data
		Design of	relating to agriculture,
		Experiments	biological sciences and industry
		VST6B11-	To impart basic concepts in
		Population	population studies, actuarial
		Studies and	science and vital statistics
		Actuarial	serence and that statistics
		Science	
		VST6B12-	Describe the concepts of
		Linear	1
			-
		Regression	perform regression analysis for
		Analysis	the given data
		VST6E01-	Compute reliability and life
		Reliability	time or survival time of
		Theory-	different real life systems
		Elective	
		Paper	
		ST5 D02-	To expose statistics students to
		Economic	the areas of time series and
		Statistics-	index numbers
		open course	
B.Sc.	MATHEMATICS/C	VST1C01-	To understand various
	OMPUTER	Basic	approaches to probability &
	SCIENCE	Statistics And	
	(COMPLIMENTAR	Probability	data
	Y COURSE)	5	
	,	VST2C02-	To understand the applications
		Probability	of theoretical discrete&
		Distributions	continuous distributions
		VST3C03-	To equip the students with the
		Statistical	theory essential for estimation
		Inference	of unknown parameters and
		multille	1
		VST4C04-	testing of hypothesis
			To expose students to the areas of time series and index
		Applied	
		Statistics	numbers, Statistical Quality
			control and Analysis of
			Variance
B.Sc.	STATISTICS	VME1C01-	To understand the students to
	(COMPLIMENTAR	Mathematical	identify statistical tools to solve

Y COURSE)	Economics	economic problems
	VME2C02-	To expose statistical tools to
	Mathematical	students to solve economic
	Economics	problems
	VME3C03-	To equip the students to identify
	Mathematical	statistical tools to solve
	Economics	economic problems
	VME4C04-	To equip the students to identify
	Mathematical	statistical tools to solve
	Economics	economic problems

M.Sc PHYSICS

PROGRAMME SPECIFIC OUTCOMES

Program	n Specific Outcomes
PSO1	Gain theoretical, mathematical, computational and experimental knowledge in Physics
PSO2	Understand material properties and matter energy interactions at macroscopic and microscopic levels
PSO3	Expertise in the areas of Material science ,Experimental Techniques and Modern optics.
PSO4	Carry out quality research in Physics resulting in original scientific project works.

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
M .Sc.Physics	Material Science		
M .Sc.Physics		PHY1C01	Understand the formalism of
First Semester		Classical Mechanics	Lagrangian and Hamiltonian
			mechanics.
			Understand the classical background
			of quantum mechanics.
			Understand and analyze the
			Kinematics and Dynamics of Rigid
			Bodies:
			Formulation of the problem
			involving small oscillations
			Understand the concepts of
			nonlinear equations and chaos
		PHY1C02	Understand the generalized
		Mathematical Physics – I	orthogonal curvilinear coordinate

		system and apply it to various 3-D
		Coordinate Systems
		Understand the concept of matrices
		and tensors and how to apply them
		in various contexts of Physics
		Understand different methods of
		solving second order differential
		equations
		Understand various special functions
		and polynomial solutions of specific
		second order differential equations
-		· · · · · · · · · · · · · · · · · · ·
		Understand to analyze periodic
-		functions using Fourier series
		Understand and apply Fourier and
-		Laplace transforms
	PHY1C03	Apply phasor formulation into
	Electrodynamics and	Maxwell's equations, field and
	Plasma Physics	potential functions
	-	Apply the concept of phasors into
		em wave propagation in lossless and
		lossy media
-		Develop the basic characteristics of
		TEM waves guided by transmission
		lines
-		Develop the basic theories of em
		wave propagation in waveguides and
-		cavity resonators
		Apply relativistic concepts to
		electrodynamics via tensor
_		formulation
		Develop a basic knowledge of
_		plasma physics
	PHY1C04	Understand the concepts of Field
	Electronics	Effect Transistors and Metal Oxide
		Semiconductor FET
Í Í		Understand the principle, working
		and application of microwave and
		Photonic devices
		Understand the internal architecture
		and the frequency response of
		Operational Amplifier
		Identify the use of Operational
		Amplifier in various electronic
		application
		Understand the working of various
		logical processing devices

M.Sc.Physics	PHY2C05	Understand the basic concepts of
Second	Quantum Mechanics-I	linear vector spaces, operators and
Semester		matrix representation of quantum
		mechanics and uncertainity
		principle.
		Understand the quantum dynamics
		and the evolution of a quantum
		mechanical system.
		Understand the concepts of angular
		momentum and Pauli's spin
		matrices.
		Solve problems involving central
		potential using Schrödinger equation
		Identify the symmetries and
		conservation laws and Understand
		the symmetric and anti-symmetric
		wavefunctions
	PHY2C06	Understand the basic concepts
	Mathematical Physics-II	regarding complex variables and
		functions
		Understanding of complex
		integration and use it to evaluate
		definite integrals
		Understand the fundamentals of
		group theory
		Understanding the significance of
		group representations in physics
		Use Green's functions as a tool to
		solve differential equations
		Understand the various methods to
		solve integral equations
		Understand Euler's equation and
		apply variational principles as a
		mathematical tool to study problems
	 DUN2C07	n physics
	PHY2C07	Understand the fundamental relation
	Statistical Mechanics	between statistics and
		thermodynamics Understand the statistics and
		Understand the statistics and fluctuations of microstates in
		microscanonical, canonical and grand
		canonical ensembles
		Understand the fundamental
		knowledge of quantum statistical
		mechanics
		methanics

		Colore much lance in allocation land
		Solve problems in classical and
		quantum statistical mechanics
		Understand the thermodynamics of
		black body radiation and sound
		waves applying the statistics of ideal
		Bose system
		Understand magnetism and electron
		gas applying the statistics of an
		ideal Fermi system
	PHY2C08	Understand the basics of Python
	Computational Physics	Language
	Computational Thysics	
		Understand the methods of creating
		arrays and matrices using Python to
		perform their basic operations
		Understand the methods of plotting
		using matplotlibfunctions in Python
		Understand the various numerical
		method s and computational
		formulism involved in solving
		mathematical problems
		Solve familiar problems in physics
		using numerical methods in Python
		Language.
M.Sc.Physics	PHY3C09	Understand the WKB approximation
Third	Quantum Mechanics –II	technique and apply it in problems.
Semester	Quantum Meenames –11	Understand time independent
Schlester		1
		perturbation theory for degenerate
		and non degenerate systems and
		apply it in problems.
		Understand the technique of
		variational method and solve helium
		atom problem.
		Understand time dependent
		perturbation theory and apply it in
		problems.
		Understand the relativistic
		formulation of quantum mechanics.
		Understand the theory of scattering
		by partial wave analysis.
	 PHY3C10	Understand the basic static nuclear
	Nuclear and Particle	properties and their measurement
		1 1
	 Physics	techniques
		Understand the characteristics from
		deuteron theory and theory of nucleon nucleon scattering

		Understand the theory of alpha
		decay, beta decay and gamma decay
		Apply the single particle shell model
		and collective model to estimate the
		spin ,parity ,electromagnetic
		moments of nuclides
		Understand the different types of
		nuclear reaction ,Nuclear fission
		,Nuclear Fusion and the energetics
		Understand the instrumentation,
		principle and working of Nuclear
		Detectors and Nuclear electronics
		Identify the nature and theory of
		particle interactions using
		conservation laws
	PHY3C11	Understand the Crystal Structure and
	Solid State Physics	binding
	Sond State Thysics	Understand the concept of Phonons
		and influence of lattice vibration on
		physical properties
		Understand the electronic states of
		materials and behavior of electrons
		and holes in semiconductors
		Understand the theories of dielectric
		, ferroelectric and magnetic
		properties of materials
		Understand the theories of
		superconductivity
		Solve analytical problems based on
		material properties
	PHY3E05	Understand the construction and
	Experimental Techniques	working of various instruments for
		creation and measurement of
		vacuum
		Learn the concept of thin films and
		various fabrication and thickness
		measurement techniques for thin
		films
		Understand the principle, working
		and merits and demerits of various
		particle accelerators
		Learn the various nuclear techniques
		-
		used for material characterisation
		Understand the X-Ray diffraction
1		techniques for material analysis

M.Sc.Physics	PHY4C12	Understand the concept of atomic
Fourth	Atomic and Molecular	1
Semester	Spectroscopy	effects of the magnetic and electric
Semester	specuoscopy	field on atomic spectra.
		Understand the theory and
		applications of Microwave and
		Infrared spectroscopy of molecules.
	 -	
		applications of Raman spectroscopy of molecules.
		Understand the theory and
		applications of electronic
		spectroscopy of molecules
		Understand the theory and
		applications of Spin Resonance
		Spectroscopy of molecules
	PHY4E11	Estimate the type, number and
	Material Science	energy associated with crystal
	Waterial Science	imperfections
		Determine the phase compositions
		of binary alloy systems using phase
		diagrams, lever rule and tie-line rule
		Calculate the diffusion coefficient
		and activation energy of diffusing
		atoms using the laws and theory of
	-	atomic diffusion.
		Determine the yield strength and
		fracture strength of a plastically
		deformed material, creep and
		fracture
		Understand the structure, properties
		and applications of polymer
		materials and ceramic materials.
		Familiarise with the different
		techniques for the synthesis of
		nanoparticles and thin films .
		Understand the instrumentation,
		principle and working of Tools for
		Nanomaterial Characterisation
	PHY4E18	Understand the electric field
	Modern Optics	interaction with isotropic and
	-	anisotropic media
	1	Understand the principle of
		magneto-optic, electro-optic and
		non-linear optical effects
		non mear optical cheets

	Understand the basic concept of
	coherence
	Solve problems in Fresnel and
	Fraunhoffer diffraction using
	Fresnel Kirchoff formula
	Understand the basic theory of
	multilayer films
	Represent optical phenomena in
	matrices using Jone's calculus
	Understand the use of Fourier
	transform techniques in diffraction.

B.Sc PHYSICS

PROGRAMME SPECIFIC OUTCOMES

Program Specific Outo	Program Specific Outcomes		
PSO1	Understand the basic concepts of methodology of science and the fundamentals		
	of mechanics, properties of matter and electrodynamics		
PSO2	Understand the theoretical basis of quantum mechanics, relativistic physics,		
	nuclear physics, optics, spectroscopy, solid state physics, astrophysics,		
	statistical physics, photonics and thermodynamics		
PSO3	Understand and apply the concepts of electronics in the designing of different		
	analog and digital circuits		
PSO4	Understand the basics of computer programming and numerical analysis		
PS04	Apply and verify theoretical concepts through laboratory experiments		

Progra mme	Programme Specialization	Course code and Name of course	Courses outcomes
B.Sc. Ph	ysics Core Progra	imme	
B .Sc.	Physics (I Semester)	PHY1B01: METHODOLOGY OF SCIENCE AND BASIC MECHANICS	Understand the features, methods and limitations of science Understand and apply the basic concepts of Newtonian Mechanics to physicalsystems Understand and apply the basic idea of work-energy theorem to physical systems Understand and apply the rotational dynamics of rigid bodies Understand the basic ideas of elasticity

B .Sc.	Physics	РНҮ2В02:	Understand the features of non-inertial systems and fictitious forces
			Understand and analyze the features of central forces with respect to planetarymotion
	(II Semester)	MECHANICS	Understand the basics ideas of harmonic oscillations
			Understand and analyze the basics concepts of wave motion
			Understand and apply the fundamentals of vector calculus
B .Sc.	Physics (III Summarian)	PHY3B03: ELECTRODYNAMI	Understand and analyze the electrostatic properties of physical systems
	(III Semester)	CS I	Understand the mechanism of electric field in matter.
			Understand and analyze the magnetic properties of physical systems
			Understand the basic concepts of electrodynamics
DC		PHY4B04: ELECTRODYNAMI CS II	Understand and analyze the properties of electromagnetic waves
B.Sc.	Physics (IV Semester)		Understand the behavior of transient currents
			Understand the basic aspects of ac circuits
			Understand and apply electrical network theorems
		PHY5B06: COMPUTATIONAL PHYSICS	Understand the Basics of Python programming
	Physics		Understand the applications of Python modules
	(V Semester)		Understand the basic techniques of numerical analysis
			Understand and apply computational techniques to physical problems
		DUUCEDOS	Understand the particle properties of electromagnetic radiation
B.Sc.			Describe Rutherford – Bohr model of the atom
	Physics (V Semester)	PHY5B07: QUANTUM	Understand the wavelike properties of particles
	()))))))))))))))))))	MECHANICS	Understand and apply the Schrödinger equation to simple physical systems
			Apply the principles of wave mechanics to the Hydrogen atom
	Physics	PH5B08:	Understand the fundamentals of Fermat [*] s principles and geometrical optics
	(V Semester)	5	Understand and apply the basic ideas of interference of light

			Understand and apply the basic ideas of diffraction of light
			Understand the basics ideas of polarization of light
			Describe the basic principles of holography and fibre optics
			Understand the basic principles of rectifiers and dc power supplies
		PHY5B09:	Understand the principles of transistor
	Physics (V Semester)	ELECTRONICS (ANALOG & DIGITAL)	Understand the working and designing of transistor amplifiers and oscillators Understand the basic operation of Op – Amp and its
		DIOITAL)	applications
			Understand the basics of digital electronics
			Understand the zero and first laws of thermodynamics
		PHY6B10: THERMODYNAMI CS	Understand the thermodynamics description of the ideal gas
	Physics (VI Semester)		Understand the second law of thermodynamics and its applications
			Understand the basic ideas of entropy
			Understand the concepts of thermodynamic potentials and phase transitions
	Physics (VI Semester)	PHY6B11: STATISTICAL PHYSICS, SOLID STATE PHYSICS, SPECTROSCOPY & PHOTONICS	Understand the basic principles of statistical physics and its applications
			Understand the basic aspects of crystallography in solid state physics
B.Sc.			Understand the basic elements of spectroscopy
			Understand the basics ideas of microwave and infra- red spectroscopy
			Understand the fundamental ideas of photonics
			Understand the basic aspects of nuclear structure and fundamentals of radioactivity
		PHY6B12:	Describe the different types of nuclear reactions and
	Physics	NUCLEAR	their applications Understand the principle and working of particle
	(VI Semester)	PHYSICS AND PARTICLE PHYSICS	detectors
			Describe the principle and working of particle accelerators
			Understand the basic principles of elementary particle physics

		РНҮ6В13:	Understand the fundamental ideas of special relativity
			Understand the basic concepts of general relativity and cosmology
	Physics (VI Semester)	RELATIVISTIC MECHANICS AND	Understand the basic techniques used in astronomy
	()	ASTROPHYSICS	Describe the evolution and death of stars
			Describe the structure and classification of galaxies
			Understand the basic principles of biophysics
	Physics (VI	PHY6B14 (EL1):	Understand the fundamentals of medical instrumentation
	SemesterElecti ve)	BIOMEDICAL PHYSICS	Understand the principles of ultrasound and x-ray imaging
			Understand the basic principles of NMR
		PHY6B14 (EL2): NANOSCIENCE AND TECHNOLOGY	Understand the elementary concepts of nanoscience
	Physics (VI Semester Elective)		Understand the electrical transport mechanisms in nanostructures
			Understand the applications of quantum mechanics in nanoscience
B.Sc.			Understand the fabrication and characterization techniques of nanomaterials
			Enumerate the different applications of nanotechnology
	Dhusias	PHY6B14 (EL3): MATERIALS SCIENCE	Understand the basic ideas of bonding in materials
			Describe crystalline and non-crystalline materials
	Physics (VI SemesterElecti		Understand the types of imperfections nad diffusion mechanisms in solids
	ve)		Describe the different properties of ceramics and polymers
			Describe the different types of material analysis techniques
			Apply and illustrate the concepts of properties of
	Physics	PHY4B05:	matter through experimentsApply and illustrate the concepts of electricity and
B.Sc.	Province Practical I		magnetism through
			experiments Apply and illustrate the concepts of optics through
			experiments

			Apply and illustrate the principles of electronics
			through experiments
			Apply and illustrate the concepts of properties of matter through experiments
	Dhusios	PHY6B15:	Apply and illustrate the concepts of electricity and magnetism through
B.Sc.	Physics Practical II	PRACTICAL II	experiments
			Apply and illustrate the concepts of optics and spectroscopy through experiments
			Apply and illustrate the principles of heat through experiments
			Apply and illustrate the principles of semiconductor diode and transistor through experiments
B.Sc.	PhysicsPractic	PHY6B16:	Apply and illustrate the principles of transistor amplifier and oscillator through experiments
D.SC.	al III	PRACTICAL III	Apply and illustrate the principles of digital electronics through experiments
			Analyze and apply computational techniques in Python programming
			Understand research methodology
DC	Physics	Course: PHY6B17(P) – PROJECT	Understand and formulate a research project
B.Sc.	Project		Design and implement a research project
			Identify and enumerate the scope and limitations of a research project
	Physics (In lieu of Project)	PHY6B17(R): RESEARCH METHODOLOGY	Understand research methodology
			Understand the concept of measurement in research
B.Sc.			Understand the significance and limitations of experimentation in research
			Understand and formulate a research project, ethics and responsibility of
			scientific research
			Understand the importance of non-conventional energy sources
B. Sc.	Physics (Open Course)		Understand basic aspects of solar energy
			Understand basic principles of wind energy conversion
			Understand the basic ideas of geothermal and biomass energy and recognize theirmerits and demerits
			Understand the basic ideas of oceans and chemical energy resources and recognize their merits and demerits

	Physics (Open Course)	PHY5D01(2): AMATEUR ASTRONOMY AND ASTROPHYSICS	Describe the history and nature of astronomy as a science Understand the motion of earth in space and the cause of seasons Understand the basic elements of solar system Understand the elementary concepts of solar system
	Physics (Open Course) PHY5D01(3): ELEMENTARY MEDICAL PHYSICS		Understand the basic aspects of physics of nuclear medicine Recognize different bioelectric signals and their instrumentation Understand the basic elements of X-ray imaging Understand the basic elements of ultrasound imaging and its advantages and disadvantages
B.Sc. Ph	hysics Complement	ntary Programme for B.S	c. Mathematics and Chemistry
			Understand the basic principles of elasticity
B.Sc.	I Semester	PHY1C01: Properties of matter & Thermodynamics	Understand the concepts of surface tension
D.SC.	I Semester		Understand the aspects of viscosity
			Understand the basic principles of thermodynamics
	II Semester	PHY2C02: Optics, Laser & Electronics	Understand the basic concepts of interference and diffraction
B.Sc.			Understand the concepts of polarization
D.SC.			Understand the fundamentals of electronics
			Understand the important principles of laser physics
	III Semester	PHY3C03: Mechanics, Relativity, Waves and Oscillations	Understand the basic ideas of frames of reference and the principles of conservation of energy and momentum
B.Sc.			Understand the concepts of relativity
2.50			Understand the basic ideas of oscillations and waves
			Understand the basic ideas of modern physics
	IV Semester	PHY4C04: Electricity, Magnetism and Nuclear physics	Understand the basic ideas of static and current electricity
B.Sc.			Understand the concepts of magnetism
			Describe the fundamental concepts of nuclear physics

			Understand the basic ideas of cosmic rays and elementary particles
B.Sc.	IV Semester	PHY4C05: PRACTICALS I	Apply and illustrate the concepts of properties of matter through experimentsApply and illustrate the concepts of electricity and magnetism through experimentsApply and illustrate the concepts of optics through

M.Sc CHEMISTRY

PROGRAMME SPECIFIC OUTCOMES

PSO1	Built firm foundation in the fundamentals of current chemical and scientific	
	theories in analytical ,inorganic ,organic and physical chemistries	
PSO2	Gain research experience via participation in a research project	
PSO3	Understand safe handling of chemicals ,environmental issues and key issues facing	
	our society in energy ,health and medicines	

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
M.SC	CHEMISTRY	CHE1C01- Quantum Chemistry and Computational Chemistry	Study the postulates of quantum mechanics
			Acquire knowledge about the systems 1- D box, 3-D box and simple harmonic oscillator
			Generate idea about particle on a ring and sphere
			Evaluate the Eigen function and Eigen value of hydrogen like atoms
			Analyse approximate methods of quantum mechanics
			Summarise many electron system and antisymmetry principle
			Compare the elementary concepts of MO and VB theories
			Illustrate Huckel theory for conjugated pi-electron systems

	Understand the hybridization in
	molecules
	Explain the calculations using Gaussian
	programme
CHE1C02-	Acquire proficiency in nanochemistry
Elementary Inorganic	and nanomaterials
Chemistry	
	Obtain an overall idea about synthesis of
	nano structures
	Acquire knowledge about major acid-
	base concepts
	Evaluate electron deficient boron
	compounds based on Wade's rule
	Understand about structure, bonding and
	synthesis of P-N,P-S,S-N compounds
	Draw the Ellingham, Latimer, Frost and
	Poubaix diagrams
	6
	State the various theories to explain the
	structure of nucleus
	Describe the interaction of radiation
	with matter
CHE1C03-	Understand about hydrogen bonding and
Structure and Reactivity	its effect on organic compounds
of Organic Compounds	
	Construct MO's of simple molecules
	based on Huckel method
	Study of aromaticity, antiaromaticity and
	homoaromaticity with MO description
	Acquire knowledge about basic
	concepts in the study of organic
	reaction mechanism
	Describe the factors affecting
	conformational stability of molecules
	Analyse the effect of conformation on
	the course and rate of reaction in various
	systems
	Evaluate optical and geometrical
	isomerism of organic compounds
	Summarise the chiral pool concept,
	chiral auxiliaries and chiral reagents
CHE1C04-	Analyse third law of thermodynamics
Thermodynamics,	to determine absolute and residual
Kinetics and Catalysis	entropy
	Acquire knowledge about
	thermodynamics of solutions, ideal, real
	gases and gaseous mixtures

	Generate idea about excess functions
	such as excess free energy, excess
	entropy, excess enthalpy, excess volume
	Evaluate Validity and verification of
	Onsager theory and its application to
	theory of diffusion
	Summarise the kinetics of chain
	reactions, fast reactions and solution
	kinetics
	Understand molecular reaction
	dynamics using molecular beams
	Study Langmuir theory of
	adsorption,BET equation and
	experimental methods for topology
	analysis
	Compare homogenous and
	heterogeneous catalysis
CHE2C05-	Explain the similarity transformation
Group Theory and	
Chemical bonding	
	Describe the molecular symmetry
	Compare the elementary concepts of
	MO and VB theories
	Illustrate Huckel theory for conjugated
	pi-electron systems
	Understand the hybridization in
	molecules
	Construction of SALC using projection
	operator
	Classify atomic orbitals involved into
	symmetry species.
	Evaluate IR and RAMAN active modes
	of molecules
	Elaborate the great
	orthogonalitytheorem
	Construction of character tables of point
	groups
CHE2C06-	Understand the basic factors the affect
Coordination Chemistry	the stability of coordination compounds.
	the stability of coordination compounds.
	Study the hending is coordination
	Study the bonding in coordination
	complexes by VBT,CFT,MOT
	Draw the MO diagram of several
	complexes
	Acquire knowledge about Orgel
	diagram, Tanabe – Sugano diagram
	and and a subarrow and and and and

	Determine the magnetic properties of
	coordination complexes
	Characterize a given coordination
	complex by various spectroscopic
	techniques
	Evaluate actual reaction mechanisms
	exhibited by metal complexes
	Compare outer sphere and inner sphere
	redox reactions in coordination
	complexes
CHE2C07-	Understand aliphatic and
Reaction Mechanism in	aromatic, nucleophilic and electrophilic
Organic Chemistry	substitution with mechanism.
	Study the reaction mechanism involving
	addition and elimination reaction with
	electrophiles and nucleophiles.
	Compare the stability, geometry and
	reactions of reactive intermediates.
	Analyse several nucleophilic reactions
	of carbonyl compounds.
	Understand the different mechanisms of
	ester hydrolysis and evidence.
	Apply the basic concepts and theory of
	pericyclic reactions.
	Summaries the principles and
	applications of photochemicals in
	organic chemistry
	Compare and classify natural products
CHE2C08-	Describe Debye-Huckel equation –
Electrochemistry,Solid	limiting and extended forms.
State Chemistry and	
Statistical	
Thermodynamics	
	Study the efficiency of electrochemical
	cells with heat engines.
	State the different theories of hydrogen
	overvoltage
	Acquire knowledge about polarography
	and DME
	Evaluate the crystal structures, Bragg's
	law and applications
	Compare electrical,thermal,magnetic
	and optical properties of solid
	Evaluate partition functions and their
	relation to thermodynamic quantities
	Compare M-B,B-E and F-D statistics
	Compare in D,D-L and I -D statistics

	CHE3C09-	Understand the basic fundamentals of
	Molecular Spectroscopy	microwave spectroscopy
	1 17	Analyse the vibrational spectra of
		polyatomic molecules
		Compare the classical and quantum
		theory of Raman effect
		Evaluate Kramer's theorem in ESR
		spectroscopy
		Analyse Nuclear Overhauser Effect in
		FTNMR spectroscopy
		Understand the basic principles and
		applications of Mossbauer spectroscopy
		Analyse the structure of organic
		compounds by spectrometric methods
<u> </u>		Understand the basic principles of EIMS
	CHE3C10-	Evaluate 18 and 16 electron rule by
	Organometallic and	neutral atom method and oxidation state
	Bioinorganic Chemistry	method
		Acquire knowledge about
		synthesis, structure, bonding and
		reactions of metal
		carbonyls,nitrosyl,dihydrogen and
		dinitrogen complexes
		Study organometallic compounds of
		linear and cyclic pi systems
		Understand about oxidative
		addition, reductive elimination, insertion
		reactions
		Compare homogenous and
		heterogeneous catalysis by
		organometallic compounds
		Analyse metal-metal bond and metal
		clusters
<u> </u>		Describe oxygen transport by heme
		proteins
		Summaries metallo enzymes and
		electron carrier metallo proteins
	CHE3C11-	Understand different oxidation methods
	Reagents &	in organic chemistry
	Transformations in	In organic chemistry
	Organic Chemistry	
	- Grant Cardinated J	Analyse synthetic reagents for organic
		transformation
		Study different reduction methods in
		organic chemistry
		Analyse classification of polymers

		Study the structure, synthesis and
		reactions of heterocyclic compounds
		Understand several molecular
		rearrangements and transformation
		Study the mechanism of different
		rearrangement reaction
		Implement concepts and language of
		supramolecular chemistry
	CHE3E01-	Understand the reagents for oxidation
	Synthetic Organic	and reduction
	Chemistry	
	(Elective)	
		Analyse homogeneous and
		heterogeneous catalytic hydrogenation
		Evaluate synthetic applications of
		organometallic and organo-nonmetallic
		reagents
		Understand the chemistry and reactivity
		of carbonyl compounds
		Study the mechanism and synthetic
		applications of coupling reactions
		Evaluate the methods involved in
		multistep synthesis
		Analyse aspects of retrosynthetic
		analysis
	CHE4C12-	Acquire proficiency in statistical
	Instrumental Methods of	analysis and error estimation
	Analysis	
		Analyses how health, disease and
		modern medicine are all rooted in
		biological chemistry
		Explain the principles of gravimetric
		inorganic precipitating agent like
		NH ₃ ,H ₂ S,(NH ₄) ₂ MoO ₂ and NH ₄ SCN
		Describe neutron activation analysis
		with quantitative analysis
		Understand the capabilities and
		limitations of optical instrumental
		methods
		Explain the instrumental component and
		principals of operation
		Built knowledge on chromatographic
		method, detectors and CHN analysis by
		GC
I — — — — — — — — — — — — — — — — — — —		Describe TGA,DTA,DSE and their

	instrumentation
	Describe amperometry, coulometry,
	chronopotentiometry,
	anodic stripping voltametry
CHE4E05-	Compare physisorption and
Industrial Catalysis	chemisorption
(Elective)	
	Analyse kinetics of heterogeneous
	catalysis.
	Explain Langmuir, BET and Freundlich
	isotherms
	Describe the different methods for the
	preparation and deactivation of
	catalysts.
	Understand the basic principles of phase
	transfer catalysed reactions.
	Discuss the biocatalysts and their
	immobilization.
	Built knowledge on the catalysts used
	for environmental protection
	Describe the role of heterogeneous
	catalysts
CHE4E06-	Classify natural products
Natural products &	
Polymer chemistry	
(Elective)	
	Build knowledge about terpenoids and
	steroids
	Discuss about alkaloids and
	anthocyanins
	Describe the role of dyes, pigments and
	supramolecules
	Understand the basic principles of
	polymerization process
	Analyse characterization and
	stereochemistry of polymers
	Study about polymer solutions,
	industrial polymers and copolymers
	Summarieses speciality polymers

B.Sc CHEMISTRY

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the fundamentals of physical, organic, inorganic
	and theoretical chemistry and its applications in daily life.
PSO2	Inculcate research aptitude and analytical skills through
	qualitative and quantitative analysis.
PSO3	Inculcate research aptitude and analytical skills through
	qualitative and quantitative analysis.
PSO4	Application of polymer chemistry and organic chemistry in industries.

COURSE OUTCOMES

SEMESTERI CourseCode:CHE1B01 CoreCourseI:TheoreticalandInorganicChemistry-I TotalHours:32;Credits:2;Hours/Week:2;TotalMarks75(Internal15&External60)

Togaindetailedknowledgeoftheprincipleofvolumetricanalysisandpropertiesofsa ndpblockelements.Toprovidethebasicgroundworkforaresearchproject.Students willbeabletoanalysebasictheoryofacidbaseconcept.		
Courseoutcome(s)		
Toapplythemethodsofaresearchproject.		
Tounderstandtheprinciplesbehindvolumetry.		
Toanalysethecharacteristicsofdifferentelements.		
Todistinguishbetweendifferentacidbaseconcepts.		
Toanalysethestabilityofdifferentnuclei.		

SEMESTERII

CourseCode:CHE2B02 CoreCourseII:TheoreticalandInorganicChemistry-II TotalHours:32;Credits:2;Hours/Week:2;TotalMarks75(Internal15&External60)

Courseou	Courseoutcome(s)	
CO1	Tounderstandtheimportanceandtheimpactofquantumrevolutionin science.	
CO2	Tounderstandandapplytheconceptthatthewavefunctionsofhydrogenatomarenothingbutato micorbitals.	

CO3	Tounderstandthatchemicalbondingisthemixingofwavefunctionsofthetwocombiningatoms
CO4	Tounderstandtheconceptofhybridizationaslinearcombinationoforbitalsofthesameatom.
CO5	Toinculcateanatomic/molecularlevelphilosophyinthemind.

SEMESTERIII

CourseCode:CHE3B03 CoreCourseIII:PHYSICALCHEMISTRY-I TotalHours:48;Credits:3;Hours/Week:3;TotalMarks75(Internal15&External60)

Courseoutcome(s)	
CO1	To understand the properties of gase ous state and how it links to thermodynamic systems.
CO2	Tounderstandtheconceptsofthermodynamicsandit'srelationtostatisticalthermody namics.
CO3	Toapplysymmetryoperationstocategorizedifferentmolecules.

SEMESTERIV CourseCode:CHE4B04 CoreCourseIV:ORGANIC CHEMISTRY–I

Courseoutcome(s)		
CO1	Toapplytheconceptofstereochemistrytodifferentcompounds.	
CO2	Tounderstandthebasicconceptsofreactionmechanism.	
CO3	Toanalysethemechanismofachemicalreaction.	
CO4	Toanalysethestabilityofdifferentaromaticsystems.	

SEMESTERV

CourseCode:CHE5B06 CoreCourseVI:INORGANICCHEMISTRY-III

Courseoutc	Courseoutcome(s)	
CO1	Tounderstandtheprinciplesbehindquanlitativeand quantitativ analysis.	
CO2	Tounderstandbasicprocessesofmetallurgyandtoanalysethemeritsofdifferental oys.	
CO3	Tounderstandtheapplicationsofdifferentinorganicpolymers.	
CO4	Toanalysedifferentpollutingagents.	
CO5	Toapplytheprinciplesofsolidwastemanagement.	

SEMESTERV CourseCode:CHE5B07 CoreCourseVII:ORGANICCHEMISTR-II

Courseou	Courseoutcome(s)	
CO1	Tounderstandthedifferencebetweenalcoholsandphenols.	
CO2	Tounderstandtheimportanceofethersandepoxides.	
CO3	Toapplyorganometalliccompoundsinfunctionalgroupseparationof different	
CO4	Toapplydifferentreagentsfortheinterconversionofaldehydes,carboxylicacidsanda cidderivatives.	
CO5	Toapplyactivemethylenecompoundsinorganicpreparations.	

SEMESTERV CourseCode:CHE5B08 CoreCourseVIII:PHYSICALCHEMISTRY- II

Courseoutcome(s)	
CO1	Toapplytheconceptofkinetics, catalysis and photochemistry to various chemical and physical processes.
CO2	Tocharacterisedifferentmoleculesusingspectralmethods.
CO3	Tounderstandvariousphasetransitionsanditsapplications.

SEMESTERV

CourseCode:CHE5D02

OpenCourse2:CHEMISTRYINDAILYLIFE

CO1:Understandthebasicsofpolymerchemistry.

CO2:Explainthefunctionsofbiomolecules, vitamins, enzymes, hormones and nucleic acid.

CO3:Describefoodadditivesandfoodhabits.

CO4: Explain the uses of pesticides and fertilizers and their impacts on the environment.

CO5:Understandadvantagesanddisadvantagesofcleansingagentsandcosmetics.

CO6: Recognize the common classes of drugs in pharma ceutical industry and their application.

CO7:Understandthebasicconceptsandprocessesinpetroleumindustry.

SEMESTERVI

CourseCode:CHE6B09

CoreCourseIX:INORGANICCHEMISTRY-IV

Courseoutcome(s)	
CO1	Tounderstandtheprinciplesbehinddifferentinstrumentalmethods.
CO2	Todistinguishbetweenlanthanidesandactinides.

CO3	ToappreciatetheimportanceofCFT.
CO4	Tounderstandtheimportanceofmetalsinlivingsystems.
CO5	Todistinguishgeometriesofcoordinationcompounds.

SEMESTERVI CourseCode:CHE6B10 CoreCourseX:ORGANICCHEMISTRY-III

Courseou	Courseoutcome(s)	
CO1	Toelucidatethestructureofsimpleorganiccompoundsusingspectral techniques.	
CO2	Tounderstandthebasicstructureandtestsforcarbohydrates.	
CO3	TounderstandthebasiccomponentsandimportanceofDNA.	
CO4	Tounderstandthebasicstructureandapplicationsofalkaloidsandterpenes.	
CO5	Todistinguishdifferentpericyclicreactions.	

SEMESTERVI CourseCode:CHE6B11 CoreCourseXI:PHYSICALCHEMISTRY-III

Courseoutcome(s)	
CO1	Tounderstandthebasicconceptsofelectrochemistry.
CO2	Tounderstandtheimportanceofcolligativeproperties.
	Torelatethepropertiesofmaterials/solidstothegeometricalpropertiesandchemicalc ompositions.

SEMESTERVI

CourseCode:CHE6B12

CoreCourseXII:AdvancedandAppliedChemistry

Courseout	come(s)	
CO1	Tounderstandtheimportanceofnanomaterials.	
CO2	Toappreciatetheimportanceofgreenapproachinchemistry.	
CO3	Tounderstandtheusesandimportanceofcomputationalcalculationsinmoleculardesi gn.	
CO4	Tounderstandtheroleofchemistryinhumanhappinessindexandlifeexpectancy.	

SEMESTERVI CourseCode:CHE6B13(E1) CoreCourseXIII:Elective1.INDUSTRIALCHEMISTRY

Courseoutcome(s)	
CO1	Tounderstandtheimportanceofpetrochemicals.
CO2	Toappreciatetheimportanceandtofamiliarisetheopportunitiesofpharmaceuti cal,leatherandsugarindustries.
CO3	Toanalysetheroleofcatalystsinindustrialprocesses.

SEMESTERVI CourseCode:CHE6B13(E2) CoreCourseXIII:Elective2.POLYMERCHEMISTRY

Courseoutco	ome(s)
CO1	Tounderstandvariousclassificationofpolymersandtypesof polymerisationmethods.
CO2	Tounderstandtheimportantcharacteristicsofpolymerssuchasaveragemolecular weight,glasstransitiontemperature,viscoelasticityanddegradation.
CO3	Toappreciatetheimportanceofprocessingtechniques.
CO4	Tocharacterisedifferentcommercialpolymersandtounderstandthesignificanceo frecycling.

SEMESTER I CourseCode:CHE1C01 ComplementaryCourseI:GENERALCHEMISTRY

Courseoutcome(s)		
CO1	Tounderstandandtoapplythetheoriesofquantitativeandqualitativeanalysis.	
CO2	Tounderstandthetheoriesofchemicalbonding.	
CO3	Toappreciatetheusesofradioactiveisotopes.	
CO4	Tounderstandtheimportanceofmetalsinbiologicalsystems.	

SEMESTER II CourseCode:CHE2C02 ComplementaryCourseII:PHYSICALCHEMISTRY

Courseoutcome(s)		
CO1	Tounderstandtheimportanceoffreeenergyindefiningspontaneity.	
CO2	Torealisethetheoriesofdifferentstatesofmatterandtheirimplication.	
CO3	Tounderstandthebasicprinciplesofelectrochemistry.	

SEMESTER III CourseCode:CHE3C03 ComplementaryCourseIII:ORGANICCHEMISTRY

Courseou	tcome(s)	
CO1	Tounderstandthebasicconceptsinvolvedinreactionintermediates.	
CO2	Torealisetheimportanceofopticalactivityandchirality.	
CO3	Toappreciate the importance of functional groups and aromatic stability.	
CO4	Tounderstandthebasicstructureandimportanceofcarbohydrates, nucleicacids, alka loids and terpenes.	

SEMESTER IV CourseCode:CHE4C04 ComplementaryCourseIV:PHYSICALANDAPPLIEDCHEMISTRY

Courseoutcome(s)		
CO1	Tounderstandthebasicconceptsbehindcolloidalstateandnanochemistry.	
CO2	Tounderstandtheimportanceofgreenchemistryandpollutionprevention.	
CO3	Toappreciate the importance of different separation methods and spectral techniques.	
CO4	Tounderstandtheextentofchemistryindailylife.	

M.SC BOTANY

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand fundamental concepts of diversity of plant kingdom
PSO2	Develop laboratory skills for undoing research
PSO3	Identification and naming of plants
PSO4	Apply basic principles of plant breeding in crop improvement

Progra mme	Programme Specialization	Course code and Name of course	Courses outcomes
M.SC	BOTANY	BOT01CT01 Phycology, Bryology,	The identification of native species of Algae, Bryophytes, Pteridophytes and

Pteridology and	Gymnosperms
Gymnosperms	Gymnosperms
BOT01CT02 Mycology, Lichenology, Microbiology and Plant pathology	Identification of pathogens causing plant diseases
BOT01CT03 Angiosperm anatomy, Angiosperm embryology, Palynology & Lab techniques	Understand fundamental concepts of structure and function of plant tissues Develop the laboratory skills sectioning of plant tissues Understand the development of a flowering plant
	Understanding the basic cellular components, interactions and events in the life cycle of a cell.
BOT02CT06 Cell Biology, Molecular Biology and Biophysics	Develop practical skills in mitosis and meiosis and understand the basic structure and changes in chromosomes.
	Understand the general mechanisms and events involved in cell which can lead to ageing and development of cancer.
BOT02CT07 Cytogenetics, Genetics, Biostatistics, Plant Breeding and Evolution	Understand the principle of molecular cytogenetics Apply the basic principles of plant breeding for genetic improvement of
BOT02CT08 Plant ecology, Conservation biology, Phytogeography and Forest botany	plantsUnderstand the structure of an ecosystem and energy flowIdentification of the challenges faced by various ecosystems in terms of human population and pollutionTo understand Phytochoria of world and IndiaTo know more about various forest types and the forest products
VPBO3C07 Plant Physiology, Metabolism and Biochemistry	Understanding the development and metabolism of plants Understand the commercial importance of secondary metabolites Develop the practical skill in biological processes
VPBO3C08- Angiosperm	Identify and classify plants based on

morphology, Taxonomy	taxonomic disciples.
and Plant resources	Develop the skill of scientific
	imaging of plants.
	Realize importance of field study
	To understand the basic principles of
VPBO3C09	tissue culture
Biotechnology and	To know more about biological
Bioinformatics	databases and tools used for protein
	structure prediction.
	Understand the types of interactions
	and concepts of habitat in ecosystem
VPBO4E01	Understand biodiversity and its
Environmental biology and	
Biodiversity conservation	Develop and apply knowledge and
	skills on climate change, soil quality
	and disaster management
	Hands on experience in the
	preparation of culture medium from
VPBO4E02	stock solutions prepared using
Plant tissue culture	reagent grade chemicals
	Empowering students in culture initiation, clonal multiplication,
	, I ,
	rooting, hardening and field transfer of plants
VPBO4E03	Create an aware about IPR in
Genetics and Crop	
improvement	Awareness about farmer's rights in
	agriculture sector

B.Sc BOTANY

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand scope and importance of Botany in every field especially in dealing with societal and environmental issues, agriculture, ethics andhealthcare.	
PSO2	Understand the and the role of plants in sustaining life on earth and the interrelationship between human beings and nature, create awareness on natural resources and their importance in sustainable development, analyze the importance of biodiversity conservation, estimate biodiversity loss and develop conservationstrategies.	
PSO3	Develop scientific temper and undertake scientific projects.	
PSO4	Identify and classify plants according to the principles of plant systematics, apply techniques like plant propagation methods, organic farming, mushroom cultivation, preparation of biofertilizers, biopesticides etc. in dailylife.	

Programme	Programme Specialization	Course code and Name of course	Courses outcomes
B.SC	BOTANY	BOT1B01T Angiosperm Anatomy, Reprod. Botany & Palynology	Demonstratetheabilitytodifferentiateplantorgansbyobserving anatomicalfeatures.Understandthenon-livinginclusionsofplantsandtheirsignificance.Differentiatetissuesandtheirfunctions.Illustrateprimaryandsecondary(normal and anomalous)structuresofplantorgansExplainvariousdevelopmentaldetailsofangiosperms.6.Realizethesignificanceandapplicationsofpalynology.developmental
		BOT1B02T Microbiology, Mycology, Lichen. & Plant Pathology	Understand basics of microbial life and their economic importance. Develop general awareness on the diversity of microorganisms, fungi and lichens. Analyze the ecological role played by bacteria, fungi and lichens Identify plant diseases and find out control measures. Realize the significance of plant diseases as far as crop production is concerned.
		VBO3B03 Microbiology, Mycology, Lichenology and Plant Pathology	Understand basics of microbial lifelifeandtheireconomicimportance.Develop general awareness on the diversity of microorganisms, fungi andlichens.Analyzethe ecological role played by bacteria, fungi and

		lichens
		Identify plant diseases and find out controlmeasures.
	VBO4B04 Phycology, Mycology and Pteridology	Appreciate the diversity and evolutionary significance of lower plantgroups. Classify algae, bryophytes andpteridophytes. Understand the economic and ecological importance of lower
	VBO5B05 Gymnosperms, Palaeobotany, Phytogeography and Evolution	plant groups.Understandthe role ofgymnosperms as a connecting linkbetweenpteridophytesangiospermsAppreciatethe process oforganicevolution.
		Realizetheimportanceoffossilstudy.UnderstandtheclimaticconditionsofthepastandrealizethechangeshappenedAppreciatethediverse
	VBO5B06 Angiosperm Morphology & Systematics	morphology of angiosperms. Identify and classify plants based on taxonomicprinciples. Make scientific illustrations of vegetative and reproductive structures of plants. Develop the skill of scientific imaging of plants. Realize the importance of fieldstudy. Change their attitude towards over exploitation of rare/endemicplants.
	VBO5B07 Embryology, Palynology, Horticulture, Economic Botany and Ethnobotany	Critically evaluate the advantages of tissue culture and horticulture over conventional methods ofpropagation. Apply various horticultural practices in thefield. Experiment on the subject and try to becomeentrepreneurs. Identify the economically importantplants

VBO5B08 General & Bioinformatics, Introductory Biotechnology and Molecular Biology	Analyze the role of biotechnology in dailylife. Understand the basic aspects ofbioinformatics. Explain the concepts in molecularbiology.
VBO5D01 Basic Tissue Culture	Understand plant tissue culture as a rapid propagationmethod. Explain the steps involved in tissueculture. Realize the applications of plant tissueculture
VBO6B09 Genetics and Plant Breeding	Appreciate the facts behind heredity andvariations. Understand the basic principles ofinheritance. Solve problems related to classical genetics. Predict the pattern ofinheritance. Understand various plant breedingtechniques. Realize the role of plant breeding in increasing cropproductivity
VBO6 B10 Plant Physiology and Metabolism	Identifythephysiologicalresponses ofplants.Analyzetheroleoffactorsincontrollingthe
VBO6 B11 Cell Biology and Biochemistry	Appreciate the ultra-structure of a plantcell. Enumerate the functions of each cellorganelle. Draw and explain the structure ofbiomolecules
BO6 B12 nvironmental Science	RealizetheimportanceofecologicalecologicalecologicalecologicalDevelopenvironmentalconcern

		 in all their actions and practise Reduce, Reuse and Recycle. Try to reduce pollution and environmental hazards and change their attitude towards throwing away plasticwastes. Spread awareness of the need of conservation of biodiversity and naturalresources. Analyze the reasons for climate change and find out ways to
	VBO6E02 Genetics and Crop Improvement	combatitUnderstand various techniques employed for increasing cropproductivity.Identify diseases affecting cropplants.Attain general awareness on various crop research stations of the country
B.SC BOTANY (COMPLEMENTARY COURSES)	VBO1C01 Angiosperm Anatomy and Microtechnique	Explain the types, structure and functions of planttissues. Explain primary and secondary (normal and anomalous) structures of plantorgans. Identify plant organs by observing anatomicalfeatures. Illustrate primary and secondary (normal and anomalous) structures of plantorgans.
	VBO2C02 Cryptogams, Gymnosperms and Plant Pathology	Analyze the role of the lower plants in the process of evolution. Explain the ecological significance of lowerplants. Identify plant diseases and take remedial measures to control them
	VBO3C03 Morphology, Systematic Botany, Economic Botany, Plant Breeding and Horticulture	Appreciatethediversemorphology of angiosperms.Identify and classify plants basedon taxonomicprinciplesMake scientific illustrations ofvegetativeandreproductivestructures of plantsIdentifytheeconomicallyimportant plantsUnderstand the basic principles of

			plantbree	ding	
			Apply	various	horticultural
			practices	in thefield.	
			Explain	the	physiological
			processes	inplants.	
	VBO4C04		Understar	nd the basi	c principles of
	Plant Ph	ysiology,	heredity a	ndvariatio	n.
	Ecology and C	Benetics	Realize th	ie importai	nce ofecology.
			Spread av	vareness o	f the necessity
			of conse	rvation o	f biodiversity
			and natura	alresources	5

M.SC ZOOLOGY

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the various biochemical aspects of cell including molecular level regulation
PSO2	Analyse the developmental stages of organisms connecting their physiological
	reactions and immunological advancements
PSO3	Interpret the various interactions on ecological and ethological level; assess and
	classify them with biostatistical methods
PSO4	Identify and evaluate the growth and developmental aspects of microbes and utilize
	them in biotechnology through biophysical methods
PSO5	Develop knowledge in fishes by understanding their ecological habitats and culture
	practices.

PROGRAMME	PROGRAMME	COURSES	OUTCOME
	SPECIALIZATION		
M.Sc	ZOOLOGY	ZOL1C01-	Analyze and understand the chemistry
		Biochemistry and	and functions of biomolecules
		Cytogenetics	
			Understand the metabolism and
			biosynthesis of biomolecules
			Understand the basic cellular, molecular
			and genetic concepts of development.
			Understand the structural organization
			and function of intra cellular organelles
		ZOL1C02- Biophysics	Observe and understand the matter and

and Biostatistics	mechanism of cells and study of
	functional systems, structural
	organization and physical basis of
	sound transmission in the ear
	Observe and understand the working
	principle of different separation
	techniques, biophysical methods,
	electrophysiological methods and
	microscopy
	Analyze and understand the applications
	of biostatistics in research and study
	about the various type of statistical
	methods
	Understand the basic concept of
	gravitation force, nanotechnology and
	radiation biology
ZOL1C03- Ecology and	Analyze and understand the natural
Ethology	history of Indian subcontinent, various
Luoiogy	terrestrial biomes, biogeographical
	, , , , , , , , , , , , , , , , , , , ,
	zones and island biogeography
	Understand the basic concepts and
	levels of organisation in ecology
	Study of animal behaviour and its
	evolution
	Observe and understand social
	behaviour of termites and primates
ZOL2C04- Physiology	Interpret and analyse nutrition and
LOLLEON THYSIOLOGY	utilization of energy from biomolecules
	disorders of nervous and cardiovascular
	systems
	Understand the structure and functions
	of sense organs
	Understand the thermoregulation
	mechanisms and acclimatization
ZOL2C05- Molecular	Understand the basic cellular, molecular
Biology	and genetic concepts of development.
210105/	Analyze and understand the
	5
	1 0
	organisms along with the factors
	influencing them.
	Understand the structure of endocrine
	glands, synthesis and secretion of
	hormones, mode of action, control
	Understand the pathophysiology of hypo
	and hyper secretions of endocrine
	and hyper secretions of endoernie

	glands
ZOL2C06- Systematics and Evolution	Understand the definition and basic concept of taxonomy, classification, procedures, species concept and different type of taxonomic characters of organisms.
	Study the zoological nomenclature, newer systematic trends, ethics in taxonomy and taxonomic impediments. Understand natural selection
	mechanisms and tempo of evolution
 	To study molecular evolution and evolutionary trends of organisms
ZOL3C07 - Immunology	Explain the role of molecules involved in immune mechanism
	Understand maturation of immunological cells leading to immune response.
	Analyze the role of MHC in immune response.
	Explain immunological disorders
ZOL3C08- Developmental Biology and Endocrinology	Understand the basic cellular, molecular and genetic concepts of development.
	Analyse and understand the developmental stages of various organisms along with the factors influencing them.
	Understand the structure of endocrine glands, synthesis and secretion of hormones, mode of action, control
	Understand the pathophysiology of hypo and hyper secretions of endocrine glands
ZOL3E09- Fishery Science 1: Taxonomy, Biology, Physiology & Ecology	understand fish taxonomy
	Understand the fish biology
	Explain the physiology of fish
	Understand the ecology of sea
	Study on brackish and inland water
ZOL4C10- Biotechnology and	Study of history and scope of Microbiology and its taxonomy
Microbiology	

		Understand bacteria, virus, its
		pathological effects and their control
		measures
		Understand bacterial metabolism
		Understand the role of microbes in
		fermentation, waste water treatment,
		bioremediation biogas plant and
		generation of energy sources
		Understand DNA sequencing, Genetic
		Engineering, gene silencing and cloning
		techniques
		Interpret biotechnology in animal health
		care and environment
	ZOL4E11- Fishery	Understand the capture and culture
	Science II: Capture &	fishes, Designing of aqua farms
	Culture Fisheries	
		Understand the nutrition of fishes and
		water quality management
		Understand the reproduction and genetic
		selection
		Explain different aqua cultural practices
		Study on aquarium and major fish
		diseases
	ZOL4E12-Fishery	Understand commercial fishing methods
	Science III: Harvesting,	
	Post-harvesting	
	Technology &	
	Marketing	Understand the nutritional value of fin
		fish and shell fish, its preservation and
		processing techniques
		Explain the post mortem changes and
		spoilage.
		Explain the role of fishery institutes in
		education, research, development ,
		export and quality control
		Study on fishery management and
		international marketing.
l		momunonui munomis.

B.Sc ZOOLOGY

PROGRAMME SPECIFIC OUTCOMES

PSO1 Understand the biological diversity and grades of complexity of various animal

	forms through their systematic classification and process
PSO2	Understand the roles of plants, animals and microbes in the sustainability of
	the environment and their interaction among themselves and deterioration of
	the environment due to anthropogenic activities
PSO3	Understand the concepts and principles of biochemistry, immunology, physiology, ethology, endocrinology, developmental biology, cell biology, genetics, molecular biology and microbiology and develop technical skills in biotechnology, bioinformatics and biostatistics
PSO4	Perform laboratory procedures as per standard protocols in the areas of animal diversity, systematics, cell biology, genetics, biochemistry, molecular Biology, developmental environmental biology, ethology, evolution and Science methodology

Programme	Programme Specializatio	Course code and Name of	Courses outcomes
	n	course	
B.Sc	Zoology	ZOL1B01T Animal diversity: Non-Chordata Part- I	Describe the principles of classification and nomenclature Explain the five kingdom classification of living organisms Understand the concepts of classification of animal s
			Explain the classification with examples and characteristic features of kingdom Protista and describe the morphology and structural organization of <i>Paramecium</i>
			Explain the classification of phylum Porifera and elucidate the salient features of each class
			Describe the characteristic features of phylum Cnidaria and Ctenophora,Ilustrate the classification of phylum Cnidaria down to classes
			Explain the salient features of phylum Platyhelminthes and illustrate its classification down to classes
			Explain the characteristic features and classification of super Phylum Aschelminthes and phylum Nematoda Elucidate the characters of Pseudocoelomate minor

COURSE OUTCOMES

r

	phyla Rotifera and Gastrotricha
ZOL2B02T Animal Diversity- Non-Chordata Part II	Explain the classification with examples and characteristic features of phylum Annelida and describe the morphology and structural organizatio n of <i>Neanthes</i>
	Describe the distribution, peculiarities and affinitie s of phylum Onychophora
	Explain the classification of phylum Arthropoda; elucidate the salient features of each class and describe the morphology and structural organizati on of <i>Penaeus</i>
	Describe the characteristic features of phylum Mollusca, illustrate its classification down to classes and explain the structural organization of <i>Pila globosa</i>
	Explain the salient features of phylum Echinodermata and illustrate its classification down to classes
	Understand the salient features and affinities of phylum Hemichordata
	Elucidate the characters of coelomate minor phyla Phoronida, Ectoprocta and Echiura
ZOL3B03T Animal diversity: chordata Part-I	Explain the characteristics of chordates and outline classification of the phylum Chordata
	Describe the salient features and affinities of subphylum Urochordata and its classification down to classes; elucidate the morphology and structural organization of <i>Ascidia</i>
	Explain the salient features and affinities of subphylum Cephalochordata with reference to <i>Branchiostoma</i>
	Describe the salient features of subphylum Vertebr ata, illustrate its classification down to classes and elucidate the characteristics of division Agnatha
	Enumerate the salient features of superclass Pisce s and illustrate its classification down to orders an d
	the morphology and structural organization of <i>Mugil cephalus</i>

	Describe the salient features and affinities of class
	Amphibia and its classification up to orders; explai
	n the morphology and organ systems of
	Hoplobatrachus tigerinus
	Elucidate the characteristic features of the class
	Reptilia and its classification down
	to orders; describe the morphology and organ
	systems of <i>Calotes versicolor</i>
ZOL4B04T	Describe the classification of class Aves down to
Animal	orders, salient features of each order with suitable
diversity:	
chordata	examples
part-II	
	Describe the external characters and functional
	systems of Columba livia
	Enumerate the salient features and classification of
	class Mammalia down to orders with suitable
	examples
	Elucidate the external characters and functional
	systems of Oryctolagus cuniculus
	Compare the circulatory, excretory and nervous
	systems of vertebrates
ZOL4B05P	Identify and describe specified protists and
Zoology corec	acoelomate & pseudocoelomate
ourse practical	non-chordates and perform the culture of
	selected protists; understand the histological
I: Animal	features of coelenterate, platyhelminth and
diversity	nematode
(Practical I*A	
+ I*B+I*C+I	
*D)	
	Identify and describe specified coelomate
	non-chordates and the transverse
	sections of annelids; Perform mounting of the
	specified organs of selected non-chordates
	Identify and describe specified chordates and
	Identify and describe specified chordates and
	Identify and describe specified chordates and specified bones of chordates; Prepare key for identification of venomous snakes; Perform
	Identify and describe specified chordates and specified bones of chordates; Prepare key for identification of venomous snakes; Perform mounting and dissection of specified organ systems of chordates
	Identify and describe specified chordates and specified bones of chordates; Prepare key for identification of venomous snakes; Perform mounting and dissection of specified organ systems of chordates Identify and describe selected vertebrates and
	Identify and describe specified chordates and specified bones of chordates; Prepare key for identification of venomous snakes; Perform mounting and dissection of specified organ systems of chordates Identify and describe selected vertebrates and specified bones of vertebrates
ZOL5B06T	Identify and describe specified chordates and specified bones of chordates; Prepare key for identification of venomous snakes; Perform mounting and dissection of specified organ systems of chordates Identify and describe selected vertebrates and specified bones of vertebrates Understand the principles and applications of
ZOL5B06T Cell biology and Genetics	Identify and describe specified chordates and specified bones of chordates; Prepare key for identification of venomous snakes; Perform mounting and dissection of specified organ systems of chordates Identify and describe selected vertebrates and specified bones of vertebrates

		and illustrate histological and histochemical
		processing of tissues
		Explain the basic structure of a eukaryotic cell an
		d
		the structure and functions of plasma membrane,
		mitochondria, lysosome, cytoskeletal elements and
		interphase nucleus
		Illustrate the nucleosome organization of chromati
		nand Illustrate the nucleosome organization of
		chromatin
		Enumerate eukaryotic cell cycle and cell division b
		yamitosis, mitosis and meiosis
		Explain the causes of transformation, characteristi
		cs of transformed cells role of protooncogenes and
		tumor suppressor genes in malignant transformatio
		mechanism and significance of apoptosis
<u> </u>		Enumerate allelic and nonallelic gene interactions;
		supplementary, complementary, polymeric, duplicat
		e and modifying genes and polygenic inheritance
		Illustrate multiple allelism and solve problems
		related to blood group inheritance
		Explain characteristics of linkage groups and linka
		ge map; crossing over sex-linked,
		sex-influened and sex-limited, sex differentiation
		and disorders of sexual development
		Describe the mechanisms of sex determination
		including chromosomalgenic, haploidiploid mecha
		nisms; the hormonal and environmental influenceg
		enic, haploidploid mechanisms; the hormonal and
		environmental influence.
		Explain mutagenesis, mutagens and chromosomal
		and gene mutations
		Explain mutagenesis, mutagens and chromosomal
		and gene mutations, human autosomal and sex
		chromosomal anomalies; polygenic human traits
		and genetic counseling
	ZOL5B07T	Illustrate the steps in genetic engineering and
	Biotechnolo	animal cell culture
	gy,	
	Microbiolog	
	/,	
	mmunology	
	0 <i>DJ</i>	Explain transfection methods, transgenic animals
		and ethical issues of transgenic animals
		Enumerate the applications of biotechnology
		Understand the biological diversity of microbial for
		Understand the biological diversity of filleroblat for

		1,1 ' , 1 '
		ms and the various techniques
		for handling microbes in the laboratory
		Enumerate the basic structure and life cycle of
		bacteria and virus
		Understand the industrial and medical importance
		of microorganisms
		Describe different types of immunity and the cells
		and organs of the immune system
		Explain antigen, antibody, immunity and major
		histocompatibility complex
		Enumerate autoimmune and immunodeficiency
		diseases and immunology of tumor and
		organ transplantation
	ZOL5B08T	Understand the elements of biological importance
	Biochemistr	and the non-ovalent interactions that stabilize
		biomolecules
	y	
	and Molecular	
	Biology	
		Describe the classification, types, structure,
		reactions and biological roles of carbohydrates, and
		diabetes Type I and II
		Enumerate the properties and classification of ami
		no
		acids and their standard abbreviations; hierarchial
		levels of protein structure, classification, separatio
		n,
		purification and sequencing of proteins
		Explain the classification and functions of lipids
		and fatty acids; chemistry and structure of nucleic
		acids and sequencing of DNA
		Understand the classification, nomenclature and
		properties of enzymes; enzyme action, cozymes,
		cofactors, isozymes, ribozymes and allosteric
		enzymes
		Explain glycolysis, Kreb's cycle, glycogenesis,
		glycogenolysis, gluconeogenesis, HMP pathway;
		amino acid and fatty acid oxidation and oxidative
		phosphorylation
		Describe the mechanism of DNA duplication and
		the role of enzyme
		Understand the concept of gene and gene expressio
		ngenetic code and wobble hypothesis
		Explain the mechanism of transcription and post-
		transcriptional modification of hnRNA
		Enumerate the processes of translation and post-

	translational modification and targeting of peptides
	Describe the regulation of <i>trp</i> operon, C-value, repetitive DNA, satellite DNA
	selfish DNA, overlapping genes, pseudogenes,
	cryptic genes, transposons and retro transposons
	Explain the structure and life cycle of bacteriophag
	es and the gene transfer mechanisms in bacteria
ZOL5B09T Methodology	Explain science, its importance, disciplines and the
in Science,	major steps in formulating a hypothesis, various
Biostatistics and informatics	hypothesis models, theory, law and importance of animal models, simulations and virtual testing
	Illustrate the principles and procedures in designin g experiments and elaborate the requirements for carrying out experiments
	Describe the ethical concerns in practicing science
	Understand the Scope and role of statistics;
	methods and procedures of sampling; Construction
	of tables, charts and graphs
	Calculate central tendency and measures of
	dispersion and application of its Knowledge
	on hypothesis testing as well as in problem solving
	Enumerate major biological databases and databas e search engines
	Perform DNA and protein sequence analysis,
	including sequence alignment and
	sequence similarity search using BLAST, FASTA, CLUSTAL W and CLUSTAL X
	Understand molecular phylogenetics and tools and methods for construction of phylogenetic trees
	Explain genome sequencing technologies, functiona lgenomics, proteomic technologies and molecular
	docking and drug design
ZOL5D01T Reproductive Health and sex education	Understand the reproductive health, and importanc e of sex education for teen and youth
	Explain the chromosomal mechanism of sex determination and sex chromosomal anomalies
	Explain fertilization, implantation, pregnancy, gestation, placenta, parturition and lactation

r		
		Explain the scope of reproductive technologies in
		fertility management and the assisted reproductive
		techniques
		Understand the different methods of prenatal
		diagnosis and associated ethical issues
		Describe the different methods of fertility control
		Understand the symptoms, mode of transmission,
		diagnosis and treatment of different sexually
		transmitted diseases and their socio economic
		dimensions
		Describe sexual orientation, sexual abuse and myth
		S
		Understand the ethical aspects of sex
	ZOL6B15P	Perform experiments in cell biology and genetics
	Zoology	including demonstration of Barr body in buccal
	[core course]	epithelial cells of man, polytene chromosome in
	practical – II	the salivary glands of <i>D. Melanogaster</i> larva,
	(Practical II*	mitotic division in onion root tip cells, micrometry
	A	of microscopic objects, prepare whole mounts
	+	of microscopic objects, and calculate mitotic and
	Practical II*B	metaphase index from slides
		inetaphase index from sindes
)	
		Enumerate the inheritance of major human genetic
		traits, pedigree chart, normal and abnormal human
		karyotypes, phenotypic differences of male and
		female Drosophila and solve problems on
		Monohybrid, dihybrid crosses, blood groups and
		sex-linked inheritance
		Understand electrophoresis, PCR, Northern blottin
		gSouthern blotting and Western blotting, DNA
		sequencing and fingerprinting and isolation of
		genomic DNA
		Perform gram staining and preparation of culture
		media for bacteria and demonstrate bacterial motili
		ty by standard laboratory protocols
		Understand the detection of human blood groups
		and organs of immune system
		Perform standard biochemical tests for the detectio
		n of reducing and nonreducing sugars, polysacchar
		ides, proteins and lipids
		Understand the staining of mitochondria, tissue
		homogenization and isolation of nuclei, effect of

[· · · · · · · · · · · · · · · · · · ·
		colchicines of cell division, extraction of DNA and
		polyacrylamide and agarose gel electrophoresis
		Solve basic problems in biostatistics and
		Bioinformatics
	ZOL6B10T	Describe the regulation of digestion in man,
	Physiology	nutrition in pregnancy and infancy, nutritional
	and	disorders, balanced diet, starvation, fasting and
	Endocrinolo	obesity
	gy	
		Describe functions, composition, coagulation,
		transfusion, agglutination clinical analysis of
		blood, haemoglobinopathies, types of heart and
		common cardio-vascular problems
		Understand the osmoregulatory mechanisms i
		n animals; excretion and its hormonal control
		and commonrenal disorders in man
		Explain the ultrastructure of skeletal muscles
		and biochemical events and energetics of muscl
		e
		Contraction.
		Understand the different types of nerve cells, glial
		cells and nerve fibres, and the mechanism of
		nerve impulsetransmission
		Understand the types, physiology and significance
		of bioluminescence, and the structure and function
		s of electric organs
		Describe invertebrate neuroendocrine system and
		endocrine glands, their hormones and functions
		Understand the concept of neurosecretion and the
		mode of action of peptide and steroid hormones
	ZOL6B11T	Explain the reproductive strategies in invertebrate
	Reproductive	s and vertebrates and structural and functional feat
	and	ures of human reproductive system
	developmental	
	biology	
		Describe process of fertilization, pregnancy,
		gestation, placentation, parturition and lactation i
		n humans
		Explain the scope of reproductive technologies
		infertility management; prenatal diagnostic
		techniques and methods of fertility control
		Understand the phases and theories of developmen
		t,and classification of eggs
		Enumerate the types of cleavage, arrangement of
		blastomeres, germ layers and their derivatives, cell
		lineage in Planocera and different types of blastula

	Illustrate the early developmental process of egg
	in Amphioxus, frog, chick and man
	Explain the basics of cell differentiation and it
	s genetic control, stem cells and applications of
	stem cell technology
	Describe parthenogenesis, types, and significance
	Explain fate map construction, Spemann's
	constriction experiments on amphibian embryos,
	construction experiments on amphibian emoryos,
	organizers in development, embryonic induction,
	gradient experiments in sea urchin eggs,
	cloning experiments in sheep and teratogenesis
	.6B12T Explain the structure of ecosystem and its
	ronmental functioning through energy flow and nutrient
and	cycling
	ervation
Bio	ogy
	Enumerate biogeochemical cycles and
	understand the concept of limiting factors
	Describe the ecology of population, community an
	d habitat as a self regulating system
	Understand various types of population interaction
	s and appraise the co-evolution
	Comprehend the diverse environmental and sustain
	ability challenges ranging from local to global and
	the establishment of perfect harmony between
	economic development, social issues and
	environmental conservation
	Enumerate the several tools and techniques
	employed for studies on populations, communities
	and ecosystems
	Understand the threats to biodiversity, and
	strategies adapted for the conservation of diversity
	of organisms
	Describe the various international strategies for
	conserving biodiversity
	Describe the toxic chemicals, their toxicity levels
	and the health hazards caused by them
ZO	.6B13T Describe the patterns and mechanisms of animal
	logy, behavior
	ution and
	geography
	Illustrate biological rhythms and the chemical basi s of communication
	Identify major evolutionary transitions over time,
	and explain the tools and evidences that support

	current hypotheses of the history of life on earth
	Describe the evidences for evolution and its required corollaries
	Explain the various theories of evolution
	Describe the mechanisms by which evolution occur
	s
	Recognize the significance of reproductive isolation in reducing gene flow between populations, biological and morphological species concepts and distinguish between prezygotic and postzygotic barriers to reproduction
	Review the events in human evolution
	Explain ecological and historical foundations for understanding the distribution and abundance of species, and their changes over time and comprehend the basic principles of biogeography as a discipline
ZOL6B14BE 02T Aquaculture Animal Husbandry and Poultry Science	Explain aquaculture and the process of prawn, mussel and pearl culture
	Illustrate the methodology of pisciculture and un derstand common culture fishes and ornamental fishes
	Identify major fishing crafts and gear and enumerate fish utilization and preservation
	Enumerate the poultry rearing techniques and understand major breeds of fowl
	Understand the major breeds of cattle, cattle feeds and diseases of cattle
	Illustrate the steps in dairy processing and identify the role of dairy development in rural economy
ZOL6B16P Zoology [core course] practic	Perform standard laboratory experiments for the estimation of Hb, presence of hCG/abnormal constituents in urine, detection of blood pressure,
al -III (Practical III* A + Practical III*B)	bleeding and clotting time and identification of formed elements in blood

			estimate water quality parameters including,
			dissolved Oxygen, Carbon dioxide, hardness and
			pH; determination of adulteration of selected
			food items and identify marine planktons and
			soil organisms
			Demonstrate the behavioural response of
			earthworm/dipteran larva to selected stimuli
			Describe homologous, analogous and vestigial
			organs, connecting links, adaptive radiation and
			evolution of man
			Illustrate zoogeographical realms, Wallace line,
			Weber line, Wallacea and the distribution of
			Peripatus, lung fishes, Sphenodon, monotremes and
			marsupials
			Identify the normal and selected abnormal human
			karyotypes and inheritance of chosen traits from
			pedigree charts, ornamental and other culture fishe
			S
			and chosen beneficial and harmful insects
	Zoology	Complemen	
B.Sc		tary course	
		ZOL1C01T	Describe the general characters of protists and
		Animal	salient features of phylum Rhizopoda, Ciliophora,
		diversity	Dinoflagellata and Apicomplexa
		and wildlife	
		conservation	
			Enumerate the salient features and examples of
			Phylum – Porifera, Coelenterata,
			Platyhelminthes, AschelminthesAnnelida, Arthropo
			da, Onychophora, Mollusca and
			Echinodermata, and the structural organization of
			Peneaus sp
			Describe the characteristic features and
			classification of phylum Chordata with
			examples and, structural organization of
			Oryctolagus cuniculus
			Describe the characteristic features and
			classification of phylum Chordata with examples
			and structural organization of Oryctolagus cuniculu
			S
		ZOL2C02T	Explain parasitism and the major protist, cestode,
		Economic	trematode and nematode parasites
		Zoology	of man and major insect vectors of human diseases
1			and their control

I I	
	Understand major beneficial and harmful insects,
	damages caused to host plants and their control
	measures
	Understand pisciculture, prawn, mussel and pearl
	culture
ZOL3C03T	Describe the structure of plasma membrane and th
Physiology	e various trans-membrane transport mechanisms
and Ethology	-
	Enumerate the constituents of normal diet and the
	mechanism of digestion and
	absorption of carbohydrates, proteins and lipids an
	d
	the regulation of gastrointestinal function
	Explain the mechanism of transport of respiratory
	gases, control of respiration, respiratory problems
	and artificial ventilation
	Explain the structure and working of human heart
	and mechanism of regulation of heart beat;
	constituents of human blood and blood transfusio
	n
	and cardiovascular problems
	Illustrate the structure of human kidney, the
	mechanism of urine formation, hormonal control o
	f
	kidney function and kidney disorders; osmoregulati
	on
	and urea cycle
	Enumerate the structure of myofibrils and myofila
	ments; muscle contractile and regulatory proteins a
	nd mechanism of muscle contraction
	Explain different types of nerve cells and glial cells
	, maintenance of resting membrane potential,
	generation and propagation of action potential and
	synaptic transmission
	Describe innate behavior, learned behavior,
	patterns of behavior and factors that affect behavio
	r
	Enumerate biological rhythms, communication in a nimels and social organization in mammals
	nimals and social organization in mammals
ZOL4C04T	5 51 7
Genetics an Immunology	anomalies and polygenic inheritance
	Explain the mechanisms of sex determination
	Enumerate the concept of genes, gene expression,
	genetic code, transcription and translation
· · ·	

Illustrate the mechanism of recombinant DNA technology and its practical applications
Explain the types of cancer, causes of transformation and characteristics of transformed cells
Identify the cells and organs of immune system, antigens and antibodies
Enumerate antigen-antibody interaction, generation of B-cell and T-cell response and major immuno-techniques

MSC TEXTILES & COSTUME SCIENCE

PROGRAMME SPECIFIC OUTCOMES

Progran	n Specific Outcomes
PSO1	Understand the awareness of marketing & advertisement.
PSO2	Understand the methods & techniques used to analyze textile fibres, yarns& fabric& its end use performance
PSO3	Understand & develop the skill ability to draft patterns for different garment
PSO4	Understand & analyze the different types of looms, weaving techniques & weave patterns
PSO5	Understand the principles of Quality assurance, chemical processing, finishing of textiles, fundamentals of dyeing, eco- friendly practices
PSO6	Understand the techniques of research and develop skills in conducting research and applying statistical procedures
PSO7	Understand color theories, color order specifications and develop sketching skills
PSO8	Understand the global costumes of the world
PSO9	Understand the draping procedures

PROGRAMME	PROGRAMME	COURSES	OUTCOME
	SPECIALIZATION		
M.SC	TEXTILES &	HTC1C01	Compare the different costumes of India
	COSTUME	HISTORIC	
	SCIENCE	COSTUMES	

	Build up an idea about couture from middle age period
	Understand and discuss the garments and ,accessories including headgear and foot wear of various regions
	Analyze the fashion trends in 18 th century
	Explain the evolution of costumes
	Understand the information regarding the costumes orgin, fabrics, colours and accessories
HTC1C02 FASHION MARKETING	Recognize the importance of aesthetics and principles of design in the seasonal fashion world
	Evaluate the trends in the fashion industry and their impact on overall business operations and strategy
	Assess social, cultural and economic factors and their impact on the global consumer and market place
	Perceive the skill of inspirational and innovative techniques to implement in apparel merchandise
	Plan and budget sales for a seasonal range
	Determine a commercially appropriate product range for a retailer
	Create a sales forecast for a retail store
	Analyze the fashion industry's activities to develop/implement a marketing
HTC1C03	strategy Adapt their artistic abilities to support
COSTUME DESIGN AND ILLUSTRATION	their future design careers
	Develop sketching skills
	Build the practical knowledge of fashion
	sketches, illustration, mediums, rendering, fashion details
	Design costumes according to various body shapes
	Identify the human figure, construction, anatomy of men, women & child
	Influence the students to inspire to develop fashion collection (portfolio)

HTC1C04 INTRODUCTION TO FASHION DESIGN	Analyze and use color units effectively in their design process.
CONCEPT	
	Identify and discuss concepts related to the historical back ground of textiles and fashion.
	Identify and discuss concepts related to the design, production and evaluation of textiles and apparel products.
	Identify and discuss concepts related to the management, marketing, and consumption of textile and apparel products.
	Evaluate trends in the fashion industry and their impact on overall business operation and strategy.
	Utilize applied management topics to manage, control, and improve industry environment
HTC1C05 RESEARCH METHODOLOGY AND STATISITICS	Outline of research concepts
	Compare different types of research methods
	Construct research design or proposal for future project works
	Examine various sampling techniques and measurement scales
	Develop report writing or presentation skills
	Choose right statistical techniques to be used with various research methods
	Interpret statistical literature, research articles, the claims made on the basis of statistics
HTC2C06 QUALITY ASSURANCE AND TEXTILE TESTING	Understand the method of testing textile fibers, yarns and fabrics
	Analyze and interpret the results of fabric testing from testing equipments
	Apply statistical techniques for analyzing test results
	Identify various fabric defects and their causes and remedies

HTC2L01 FASHION DRAPING	Explain the principle of total quality management of textiles(TQM) Develop innovative tools to implement TQM in the textile industry Measure the quality particulars of textile material at different stages of production and know the standards Identify quality deviations of fabrics Understand and evaluate quality assessment of final product Identify aspects of quality in the design and construction of textile items Develop skills to build up the basic dress foundation
(P)	Develop skills to design the bodice styleAnalyze and understand the dartequivalents and dart manipulationsDevelop skills to adapt the differentneckline variationsExplain the draping principles andtechniquesDevelop skills to create skirt variationsUnderstand the fabric characteristicsand terms for drapingEvaluate the relationship betweencreativity and marketing.
	Entrepreneurship development and understand various strategies to choose fashion as a career Understand the global fashion business, the differences between business models that regulate the industry and the key issues that are recurrent in the world of fashion. Understand the history of retailing to inform development of contemporary retail strategy. Develop a merchandise plan and budget it Understand and apply the promotional

	elements of retailing.
	Identify the environmental factors that impact retailing and develop short and long-term plans to address existing and emerging issues.
HTC2 L02 ADVANCED PATTERN ADAPTATION AND CONSTRUCTION TECHNIQUES (PRACTICAL)	understand pattern making tools & techniques
	understand the different methods of pattern drafting
	understand the basic pattern to develop pattern adaptation
	Develop skill and ability to design draft patterns for different garments based on body measurements and adaptation
	Develop skills to draft adult basic block and adaptations
	Develop the skill to design garments according to the theme
	Develop the garment construction skills according to the pattern
	Assess, propose, & apply various techniques related to drafting, draping and constructing of garments
HTC2 C08 TECHNICAL TEXTILES	Identify the opportunities to develop a product on a market.
	Analyses various technical textile products in order to recognize the manufacturing process.
	Understand the impact of the fibre characteristics and used technologies on the technical textile products.
	Select the textile elements and manufacturing processes to design the final product for end use
	Identifying major segments of the textile industry and distribution channel.
HTC3C09 FABRIC	Demonstrate the weaving, weaving loom, weaving mechanism & different

CONSRUCTION AND ANALYSIS	weaving machineries.
	Identifying & applying the weave pattern – design, draft, peg plan, denting order
	Analyze the weaving calculations and different types of weave pattern
	Create different weave effects in weaving
	Understand basic weaves & fancy weaves
	Identify different woven samples
HTC3C11 TEXTILE CHEMISTRY	Recall fundamental organic chemistry
	Estimate different types of chemicals used in textile wet processing
	Identify dyes and estimate purity of dye solution and explain the mechanics of dyeing
	Identify various machinery used for printing & finishing of fabrics which would help them in working in
	dyeing/printing industry Understand color theories, different measures of color and specifications
	Understand the coloration of synthetic/ natural fibers
	Infer the principle and method of application of various types of special finishes on textile fabrics
	Recommend eco-friendly practices in textile processing
	Apply sustainable practices related to textile issues
	Propose research and development in the field of textile auxiliaries/dyeing/printing
ELECTIVE COURSES HTC3E0I FASHION CHOREOGRAPHY	Understand various steps in planning a show

		Understand the technical framework and
		sound check of fashion show
		Organize fashion show
		Understand different techniques for
		advertising and promotional activities
		Develop the fashion presentation skill
		Develop the managerial skills
	ELECTIVE COURSES	Understand various media in
	HTC3 E01	communication
	FASHION	
	COMMUNICATION	
		Understand the technical framework and
		need for fashion communication
		Develop skills in fashion writing
		Develop skins in fashion writing
		Understand different techniques of
		visual communication
		Develop the fashion communication
		skill
		Identify the media ethics for better work
		culture
	ELECTIVE COURSES	Categorize the evolution of clothing
	HTC3E01	through the theories
	SOCIOLOGY OF	
	CLOTHING	
		Discover the sociological aspects of
		clothing
		Compare the personality factors and
		choices of clothing
		Develop the skills in selecting clothing
		for different age group
		Distinguish the fashion and social
		visibility and
		Outlining the theoretical perspectives of
		fashion
	ELECTIVE COURSES	Identify the Indian textile industry
	HTC3E02(1)	
	TEXTILES AND	
	ENVIRONMENT	

	Analyze the environmental impacts of Indian textile Industry
	Explain the use of Biotechnology in
 	textile wet processing
 	Classify the types of Eco labels
	Identify the ecofriendly fibres and
	analyze the ecofriendly practices for
	fabric care
	Understand the various novel fibres
	Compare the difference between organic
	and conventional textile fibres
ELECTIVE COURSES	Understand the importance of clothing
HTC3E02(2) SCIENCE	comfort
OF CLOTHING	
COMFORT	Understand the factors offer the
	Understand the factors affecting clothing comfort
	Identify the neuropsychological factors
	related to clothing comfort
	Telated to clothing connort
	Establish the relationship between
	garment fit and clothing comfort
	Develop a scientific approach towards
	selection of clothing
	Understand the psychological aspects of
	clothing in relation to its comfort
ELECTIVE COURSES	Understand the properties of functional
HTC3E02(3) TESTING	and technical textiles
OF FUNCTIONAL	
AND TECHNICAL	
TEXTILES	
	Understand the objectives of testing
	functional textiles
	Understand the finishing procedures
	used to treat technical textiles
	Understand the various test methods
	used for technical textiles
	Identify the end use of functional
	textiles
	Understand the principles of testing
ELECTIVE COURSES	Understand various types of Home
HTC4E03(1)	Textiles
HOME TEXTILES	
	Understand the need of Home Textiles

	in different settings
	Identify the recent trends in Home
	Textiles
	Understand the properties of home
	textile products
	Develop innovative home textile
	products
	Develop entrepreneurial skills in this
	field
ELECTIVE COURSES	Illustrate accurate representations of
HTC4E03(2)	garment specifications for
COMPUTER	communication purposes
APPLICATION IN	For the second sec
FASHION DESIGNING	
	Develop skills to choose a variety of
	design softwares for visual
	communication of designs
	Design and produce innovative designs
	using CAD softwares
	Determine suitable file formats for
	digital outputs
	Develop skills to Construct digital files
	using appropriate processes and
	techniques
	Make use of audio/visual aids to
	popularize the work done in designing
	Construct innovative garment designs
	Infer the advantages of 3D techniques in
	designing and production processes
ELECTIVE COURSES	Understand various knitting procedures
HTC4E03(3)	8 T
KNIT WEAR	
TECHNOLOGY	
	Understand the working of knit
	machines
	Identify the different types of knit
	structures
	Understand the finishing of knit fabrics
	Identify the applications of knitted
	fabrics
	Understand the properties of knitted
	fabrics

B.SC. TEXTILES AND FASHION TECHNOLOGY

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the basics of textile science, apparel production, fashion marketing, costumes, home science and visual merchandising
PSO2	Create an aesthetic sense towardsfashion
PSO3	Equip with entrepreneurial skill in various fields in the fashion industry
PSO4	Train young minds create sustainable fashion ideas
PSO5	Develop productive design thinking for the betterment of the society
PS06	Build attitudes and values promoting good citizenship
PS07	Create knowledge and skill for community development

PROGRAMME	PROGRAMME	COURSES	OUTCOME
	SPECIALIZATION		
B.SC	Textiles and fashion	HTF1B01 Historic	Understand the history of origin of
	technology	costumes	clothing
			Understand the material content of
			various ages
			Understand the basic functions and uses
			of clothing
			Discuss the global perspective of
			costumes and accessories
			Identify the diversity of Indian costumes
		HTF2B02	Recognize the importance of aesthetics
		Fashion marketing and	and principles of design in the seasonal
		shop floor management	fashion
			world
			Evaluate the trends in the fashion
			industry and their impact on overall
			business operations and
			strategy
			Assess social, cultural and economical

	I		footons and their insurest and the 111
			factors and their impact on the global
			consumer and
			market place
			Perceive the skill of inspirational and
			innovative
			techniques to implement in apparel
			merchandise
			Plan and budget sales for a seasonal
			range
			Determine a commercially appropriate
			product
			range for a retailer
			Create a sales forecast for a retail store
			Analyze the fashion industry's activities
			to
			develop/implement a marketing strategy
		TF3B03	Illustrate accurate representations of
		omputer aided fashion	garment
	de	esign	specifications for communication
			purposes
			Develop skills to choose a variety of
			design
			software for visual communication of
			designs
			Design and produce innovative designs
			using
			CAD software
			Determine suitable file formats
			outputs
			Develop skills to Construct digital
			filesusing
			appropriate processes and techniques
			Make use of audio/visual aids to
			popularize the
			work done in designing
			Construct innovative garment designs
			Infer the advantages of 3D
			techniques in
			designing and production processes
		TF4B04	Interpret a design with practical
		arment construction	understanding of garment construction
	ar	nd pattern making	
		.	Develop designs prior to production of
			garments
			Analyze the designs by draping different
			fabrics to achieve the difficult designs.
<u> </u>			rueries to demote die difficult designs.

		Identify the features of compart
		Identify the features of garment,
		characteristic postures and harmony
		between draped fabric and wearer.
		Develop the appearance of construction
		and neatness of workmanship
		Make use of basic pattern adaptations to
		enable a design to fit a person
		Develops skills to create patterns for
		garments
	HTF5B05	Develop the elements of basic cost sheet
	Garment costing	of garment.
		Discover the control of cost when
		decided to start a business.
		Make a use of proper decision in the
		production of garment
ļ		Organize a budget for an industry.
		Explain the productivity of material and
		labour in a garment industry.
		Determine the budgeting principles for
		the apparel industry
		Construct the cost plus pricing method
		Analyze the accounting for factory
		overhead
	HTF5B06	Apply designing and illustrating using
	Fashion presentation	various mediums
	T distillent presentation	
		designing
		Build the theme based illustrations
		Examine the basic aspects of fashion
		show
		Categorize the survey boards
		Explain creating lines
		Design a portfolio
		Evaluate designing skills
	HTF5B07	Develop the different hand and machine
	Traditional Indian	embroidery stitches.
	textiles and surface	enteroldery succes.
	ornamentation	
	omamentation	Develop anotive designs in surface 1
		Develop creative designs in embroidery
		and prepare garments by using this
		and prepare garments by using this embroidery.
		and prepare garments by using this embroidery. Identify the various color schemes and
		and prepare garments by using this embroidery.
		and prepare garments by using this embroidery.Identify the various color schemes and their applications in surface ornamentation.
		and prepare garments by using this embroidery.Identify the various color schemes and their applications in surface

	Fashion and markets.
	Understand the richness of the Indian
	embroidered textiles.
	Create unique design using traditional
	embroidery patterns and stitches.
	Build operation of tools and
	instruments.
HTF5B08	Analyze basic elements of design.
Concepts of fashion	
design	
	Analyze the designing principles in a
	garment.
	Assess body figures and dress details
	Categorize the use of elements and
	principles of design in designing
	garments
	Analyze the wardrobe planning.
	Explain fashion terms.
	Examine the colour theory
	Experiment with basic croqui for
	female, male and child
	Organize live model drawing
	Apply the rendering techniques &
	Construct the paintings using different
	mediums
HTF5D02	Understand the elements and principles
Interior Decoration	of design to create harmonious and
(OPEN COURSE)	balanced
	interior
	Explain the properties of colour and its
	effects on the intended style
	Discover the effect of natural and
	artificial
	light on colour and surface texture
	Discover the importance of ensuring
	quality finishes on floor and walls to
	create
	professional and enduring interior space
	Create striking and functional backdrop
	for
	furnishings and window treatments
	Apply knowledge of design elements to
	the
	reality of placing objects in perfect
	manner
	Create visual ideas about functional

aspects of housing
Plan creative kitchen design by adapting principles
Summarise the elements of design in floral arrangement

M Sc. NUTRITION AND DIETETICS

PROGRAMME SPECIFIC OUTCOMES

Progran	n Specific Outcomes
PSO1	Understand the functioning of various organ systems in human body and study the importance of nutrition during various developmental stages of lifecycle.
PSO2	Understand the role and metabolism of nutrients and the relevance of various food groups and functional foods.
PSO3	Understand the dietary management and principles of diet counselling, and biochemical changes during various therapeutic conditions.
PSO4	Understand the relevance of nutrition in relation to community and understand various strategies developed in overcoming malnutrition.
PSO5	Understand the techniques of research and develop skills in conducting research and applying statistical procedures.
PSO6	Understand the various aspects of quantity food production and service in various institutions.

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
M.SC	NUTRITION AND DIETETICS	HND1 C01 HUMAN PHYSIOLOGY	Understand structure, component and functions of all systems of the human body
			Explain how to cope with disorders and other environmental factors
			Elaborate on common tests used to analyze different disorders
			Outline the role of central nervous system in controling voluntary and involuntary activities of the human

body
Illustrate the role of endocrine system in
the regulation of body activities
Identify the causes of Infertility and
Methods of contraception
Comprehend blood group system and
common facts related to the same
Apply resuscitation methods in
emergency situations
Illustrate the mechanism to maintain
normal water, electrolyte and pH
balance
Understand the adaptation of the body to
unfavourable condition, stresses,
physical activity and diseases
HND1C02Understand the role of food in daily life.
NUTRITION
THROUGH LIFE
CYCLE
Compare the nutritional requirement in
different age groups.
Understand nutrition related problems in
life cycle.
Understand national and international
health programmes to prevent malnutrition.
Plan balanced diets for different age
groups.
Develop competency in planning diets
to meet the nutritional requirements of
different socio economic levels.
Understand the need of nutrition in
special events.
Understand Growth monitoring and
immunization schedule.
HND1 C03 Understand the structure and
ADVANCED FOOD composition of different foods
-
SCIENCE
Assess the functional properties of food
Compare the methods of cooking
Analyse the reasons and prevention of
browning in vegetables and fruits
Develop different nutritious recipes with
different foods

		Judge the organoleptic evaluation of foods
		Detect adulterants present in foods
		Discuss the emerging trends in food
		science
	HND1 C04	Understand the concepts of Sports
	MACRO NUTRIENTS	Nutrition
		Analyze nutrient requirement of an athlete
		Explain the importance of Nutrition
		among Sports Personnels
		Comprehend changes in food after consumption
		Determine nutritional status of
		individuals with varying activity levels
<u> </u>		Apply knowledge of metabolism and nu
		Understand the need and benefits of
		nutrients present in the food
		Apply the benefits of non nutritional
		components of food in different stages
		of life
		Analyze caloriemetry, work capacity
		and its efficiency
		Explain control of food intake and
		metabolic consequences of starvation
	HND1 C05	Outline of research concepts
	RESEARCH	
	METHODS AND	
	STATISITICS	
		Compare different types of research
<u> </u>		methods
		Construct research design or proposal for future project works
		Examine various sampling techniques
		and measurement scales
		Develop report writing or presentation
		skills
		Choose right statistical techniques to be
		used with various research methods
		Interpret statistical literature, research
		articles, the claims made on the basis of
		statistics
	HND2 C07	Apply best practices and standards
	FOOD SERVICE	related to protocol and promotion in the
	MANAGEMENT	food service industry

	Develop organization chart to change and enhance wellness in diverse individuals and groups
	Identify use and operation of major food service equipment and relationship for efficient product flow
	Apply the principles of human resource management to different situations in Hospitality Industry
	Construct management and business theories and principles for the development of programs or services.
	Evaluate budget, food cost control and interpret financial data
	Use effective and professional oral and written communication and documentation.
	Study hygiene and sanitation in the food service industry
	Build a kitchen layout using the available physical facilities
	Ensure the patients receive their best possible nutritional intake whilst in hospital
HND2 C08 CLINICAL AND THERAPEUTIC NUTRITION	Discuss the nature and scope of Clinical and therapeutic nutrition and identify circumstances where diet may need modifications
	Take part in supervised practical activities like diet plan that addresses a select client's disease that incorporate the client's cultural preferences.
	Understand the physiology, metabolism and special requirements of critically ill patients.
	Explain different types of Food allergy and intolerance and provide information on diagnosis, clinical symptoms and appropriate dietary modifications
	Develop professional ethics of dietitian in different situations
	Demonstrate sufficient problem – solving skills to assess multifactorial

	aspects of nutritional care and organize and prioritize necessary tasks within time constraints
	Illustrate the effect of various metabolic disorders on nutritional status and its dietary adjustments.
HND2 C09 NUTRITIONAL MANAGEMENT IN LIFE STYLE DISEASES	Understand the risk factors associated with life style diseases
	Understand the symptoms associated with life style diseases
	Explain the management of life style disorders
	Develop skills to plan appropriate diet for life style disorders
	Develop the capacity of health professionals in management of the life style diseases
	Understand the complications of life style diseases
	Understand the foods which helps to reduce degenerative diseases
	Discuss modification in life style with patients to reduce the complications in future
HND3 C10 VITAMINS AND MINERALS	Understand the chemistry of minerals & vitamins
	Understand the food sources and factors affecting absorption of vitamins and minerals
	Understand the functions of vitamins and minerals
	Understand the metabolism of vitamins and minerals
	Understand the nutritional requirement of various vitamins & minerals
	Study the states of deficiency & toxicity of vitamins & minerals
	Understand the interrelationship between various micronutrients
	Estimate the levels of nutrients in

HND3 COMMUNITY NUTRITION C11 Identify nutrition assessment techniques COMMUNITY NUTRITION Recall the nutrition status of the country Apply nutrition interventio programmes Apply nutrition interventio programmes Construct tools for the conduct o nutrition education programmes Construct tools for the conduct o nutrition education programmes HND3 Recall various food production methods Understand the role of variou organizations in compactin malnutrition HND3 E01 PAEDIATRIC NUTRITION Demonstrate a thorough knowledge o paediatric diseases and conditions th require dietary modifications. Understanding the aetiology pathophysiology and clinical features o paediatric diseases and conditions th require dietary modifications. Apply knowledge of food, health nutrition and dietetics to the nutrition care of children. Identify resources for promoting goo nutrition for children in the community. Understand the need for immunizatio during various life stages. ELECTIVE COURSES HND3 Understand the concept o nutraceuticals, probiotics and prebiotics AND NEUTRACEUTICALS	Τ	various food sources
Apply nutrition interventio Programmes Construct tools for the conduct or nutrition education programmes Recall various food production methods Understand Understand the role of variou organizations in compactin malnutrition HND3 PAEDIATRIC Demonstrate a thorough knowledge of the theory of human nutrition and dietetics as it applies to paediatrics. Understanding the aetiology pathophysiology and clinical features to paediatric diseases and conditions the require dietary modifications. Apply knowledge of food, health nutrition and dietetics for promoting goo nutrition for children in the communization during various life stages. Understand the need for immunization during various life stages. HND3 E01 ELECTIVE COURSES Understand the concept on nutraceuticals, probiotics and prebiotics AND NEUTRACEUTICALS	COMMUNITY	Identify nutrition assessment techniques
Construct tools for the conduct on utrition education programmes Recall various food production methods Understand the role of variou organizations in compactin malnutrition PAEDIATRIC NUTRITION Understanding the aetiology pathophysiology and clinical features or paediatric diseases and conditions that require dietary modifications. Apply knowledge of food, health nutrition and dietetics to the nutrition and dietetics to the nutrition and dietetics to the nutritions. Apply knowledge of food, health nutrition for children in the community. Identify newborns with abnormalities. Understand the need for immunization during various life stages. HND3 EOI ELECTIVE COURSES Inderstand the concept of nutraceuticals, probiotics and prebiotics		11 2
Image: Second		Construct tools for the conduct of nutrition education programmes
PAEDIATRIC NUTRITION the theory of human nutrition an dietetics as it applies to paediatrics. Understanding the aetiology pathophysiology and clinical features of paediatric diseases and conditions that require dietary modifications. Apply knowledge of food, health nutrition and dietetics to the nutrition and dietetics to the nutrition care of children. Identify resources for promoting goo nutrition for children in the community. Identify newborns with abnormalities. Understand the need for immunizatio during various life stages. ELECTIVE COURSES HND3 E03 FUNCTIONAL FOODS AND NEUTRACEUTICALS Discover different foods which hav		Understand the role of various organizations in compacting
pathophysiology and clinical features of paediatric diseases and conditions that require dietary modifications. Apply knowledge of food, health nutrition and dietetics to the nutritional care of children. Identify resources for promoting goo nutrition for children in the community. Identify newborns with abnormalities. Understand the need for immunizatio during various life stages. ELECTIVE COURSES HND3 Understand the concept of nutraceuticals, probiotics and prebiotics AND NEUTRACEUTICALS Discover different foods which hav	PAEDIATRIC	Demonstrate a thorough knowledge of the theory of human nutrition and dietetics as it applies to paediatrics.
nutrition and dietetics to the nutritional care of children. Identify resources for promoting good nutrition for children in the community. Identify newborns with abnormalities. Identify newborns with abnormalities. Understand the need for immunization during various life stages. Understand the concept of nutraceuticals, probiotics and prebiotics AND NEUTRACEUTICALS Discover different foods which have		pathophysiology and clinical features of paediatric diseases and conditions that
nutrition for children in the community. Identify newborns with abnormalities. Understand the need for immunization during various life stages. ELECTIVE COURSES HND3 E03 FUNCTIONAL FOODS AND NEUTRACEUTICALS Discover different foods which have		nutrition and dietetics to the nutritional care of children.
Image: Constraint of the section of		Identify resources for promoting good nutrition for children in the community.
ELECTIVE COURSES Understand the concept of nutraceuticals, probiotics and prebiotics HND3 E03 FUNCTIONAL FOODS nutraceuticals, probiotics and prebiotics AND NEUTRACEUTICALS Discover different foods which hav		Understand the need for immunization
	HND3 E03 FUNCTIONAL FOODS AND	
		* *
on human health		
for Nutraceuticals		Discuss marketing and regulatory issues for Nutraceuticals Analyse the opportunity for functional
food market growth	ELECTIVE COURSES	food market growth

	HND3 E06	councelling
	HND3 E06 NUTRITIONAL	counselling
	COUNSELLING AND	
	EDUCATION	
	EDUCATION	
		Classify types of counselling
		Interpret different theories of
		counselling
		Identify the person who needs
		counselling
		Take part in nutrition education
		Interview persons who needs
		counselling
	HND4 L03	Outline advanced integrated knowledge
	METABOLIC AND	and understanding normal cell processes
	BIOCHEMICAL	and physiologic effects adapting general
	CHANGES IN	principles.
	CLINICAL DISEASES-	
	PRACTICAL	
		Explain the role of drug, food and
		nutrient interactions in human body.
		Utilize the underlying principles of
		inherited or other metabolic disorders
		with special references.
		Discuss the influence of dietary factors
		on the developments of diseases and
		methods of detection.
		Predict how metabolic changes in both
		physiological and pathological states
		may affect human nutritional
		requirements.
		Analyze informations from relevant
		scientific literature on the applications
		of biophysics relevant to nutrition.
		Estimate clinical diagnosis methods for
		endocrinological abnormalities by
		examining mode of action, enzymes and
		hormones.
	ELECTIVE COURSES	Understand the prevalence of Diabetes
	VPND 4 E07	Mellitus
	DIABETIC CARE AND	
	MANAGEMENT	
		Understand the anatomy and physicle are
		Understand the anatomy and physiology

of pancreas
Understand the pathological changes in
Diabetes Mellitus
Understand the symptoms and diagnosis
of Diabetes Mellitus
Understand the micro and macro
vascular complications of Diabetes
Mellitus
Understand the co –morbid conditions
of Diabetes Mellitus
Understand the management of Diabetes
Mellitus
Plan diets according to the insulin
requirement

B Sc FAMILY AND COMMUNITY SCIENCE

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the basics of Nutrition, Textiles, Human Physiology, Microbiology,
	Interior decoration and Family relation with regard to community living.
PSO2	Equip with skills to manage resources in a dynamic way.
PSO3	Train young minds improve every facet of family and social living- food, clothing,
	health and child care
PSO4	Build attitudes and values promoting good citizenship.
PSO5	Inculcate keen interest and curiosity in developing research culture.
PSO6	Create knowledge and skill for societal development

PROGRAMME	PROGRAMME	COURSES	OUTCOME
	SPECIALIZATION	COURSES	ou reome
B.SC	FAMILY AND COMMUNITY SCIENCE	FCS1B01 FUNDAMENTALS OF NUTRITION	Understand the basics of nutrition, health and malnutrition
		NUTRITION	Understand the nutritional status and nutritional classification of foods
			Summarize the ICMR Recommended Allowances for Indians (RDA)
			Understand the classification, functions, digestion, absorption, metabolism, sources, requirements and deficiency of macronutrients
			Understand the functions, sources, deficiency and requirements of fat soluble vitamins and water soluble vitamins
			Understand the functions, sources, deficiency and requirements of minerals like Calcium, Iron, Iodine, Fluorine
			Determine the energy value of food, Total energy requirements and BMR
			Understand the requirements of water and maintenance of water balance in the body
		FCS2B02 HUMAN DEVELOPMENT	Understand stages of human development.
			Understand the needs and problems of

	exceptional children.
	Develop skills in organizational
	behaviour and generate solutions to
	situational problems
	Interpret the values and role of play in
	child's development.
	Develop knowledge of children's laws
 	and rights
FCS3B03 -	Understand research concepts
RESEARCH	
METHODOLOGY	
AND	
BIOINFORMATICS	
	Compare different types of research
	methods
	Construct research design or proposal
	for future project works
	Examine various sampling techniques
	and measurement scales
	Develop report writing and data
	presentation skills
	Outline of bioinformatics and statistics
	Enable students to reflect knowledge &
	skills in bioinformatics and to apply it in
	various aspects of Home Science
FCS4B04 FOOD	Understand structure, functions and
SCIENCE	classification of foods and different food
	groups
	Understand the nutritional and anti-
	nutritional factors of various foods
	Assess the effect of heat on foods and
	compare different methods of cooking
	Understand food additives and different
	preservation methods for food
	processing
	Evaluate organoleptic qualities of food
	Estimate content of carbohydrate,
	Vitamin C and reducing sugars in food
	Detection of adulterants in food
	Develop different recipes and evaluate
	its nutritional content
	Understand structure, functions and
	classification of foods and different food
	groups
FCS5B05 HUMAN	Understand about the anatomyof human
PHYSIOLOGY AND	body
TITSIOLOUT AND	oouy

MICROBIOLOGY	
	Understand the various organ systems and its functioning
	Understand the morphology of microorganisms and their role in health and diseases
	Understand the factors affecting growth of microorganisms and mode of transmission
	Understand the types of immunity and methods of sterilization
	Understand the mechanism of spoilage of food and etiology of food infections
FCS5B06 DIET IN HEALTH	Understand the role of food in daily life.
	Compare the nutritional requirement in different age groups. Understand nutrition related problems in
	life cycle. Understand national and international
	health programmes to prevent malnutrition.
	Plan and prepare balanced diets for different age groups.
	Develop competency in planning diets to meet the nutritional requirements of different socio economic levels.
	Understand the need of nutrition for sports persons.
FCS5B07 FAMILY RESOURCE MANAGEMENT	Understand the process of management in family living
	Develop wise decisions in personal life and make use of given resourses
	Apply the principles of Ergonomics after critically analyzing one's work habits
	Understand the functions of house and the principles for planning a house
	Develop a creative sense in interior decoration by applying the elements and principles of design
	Improve the standard of living utilizing family resources
FCS5B08 TEXTILE	Develop strong knowledge base in the

	SCIENCE	production of fibres and yarns
		Identify textile fibres and apply it to
		various end uses
		Understand about woven and nonwoven
		fabrics
		Develop ethical values concerning
		production and finishing of textiles
		Illustrate different methods and
		mechanism of dyeing and printing
		Create awareness on green textiles
	FCS6B09 DIETETICS	Understand the role and work ethics of
		dietitian
		Understand the principles of diet
		therapy
		Understand and plan the routine hospital
		diets
		Understand the various deficiency
		diseases
		Understand the risk factors of various
		therapeutic conditions
		Plan and prepare diet during various
		deficiency diseases
		Plan & prepare diet for therapeutic
		conditions
		Understand the management of various
		lifestyle diseases
	FCS6B10 FABRIC	Explain different laundering techniques
	CARE AND APPAREL	
	DESIGNING	
		Apply principles of laundering on
		different fabrics
		Understand traditional Indian textiles
		and embroideries of India
		Design garments keeping the elements
		and principles of design
		Find out latest fashion trends in India
		Create flat patterns and adapt them to
		specific styles
	FCS6B11 CONCEPTS	Develop healthy attitude towards
		1 2
	IN FAMILY RELATION	marriage and interpersonal relationships
		Understand the importance of family in
		today's social context
		Solutions to thrive different
		circumstances in stages of life cycle
		Solving critical family situations
		Sorving orrectar running structions

	~ · · · · · · ·
	Develop sound knowledge on methods of family planning
	Improve the knowledge regarding legal
	issues concerning women
VI FCS6B12 (E2)-	Identify the scope of food service
QUANTITY FOOD	industry
PREPARATION	Industry
TEXCHNIQUES	
	Using different types of menu
	Analyze menu pricing and evaluation
	Apply different techniques in food
	purchasing
	Identify and develop receiving
	procedure and storage of food items
	Build standardized recipes and portion
	control techniques
	Understand the product standards for
	purchasing and selling food items
	Construct different styles of food
	service system
	Evaluate budget, food cost control and
	interpret financial data
	Ensure the patients receive their best
	possible nutritional intake whilst in
	hospital
FCS5D02 INTERIOR	Understand the elements and principles
DECORATION (OPEN	of design to create harmonious and
COURSE)	balanced interior
	Explain the properties of colour and its
	effects on the intended style
	Discover the effect of natural and
	artificial light on colour and surface
	texture
	Discover the importance of ensuring
	quality finishes on floor and walls to
	create professional and enduring interior
	space
	Create striking and functional backdrop
	for furnishings and window treatments
	Apply knowledge of design elements to
	the reality of placing objects in perfect
	manner
	Create visual ideas about functional
	aspects of housing
	Plan creative kitchen design by adapting
	principles
	principies

	Su	ummarise	the elements	of des	ign	in
	flo	loral arrang	ement			

M.COM (FINANCE)

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand the major theories and models which are applicable to an organisation at a national and global level.
PSO2	Ability to apply Information Technology and skills in Financial Management,
	Costing, and Management Accounting, of an organisation
PSO3	Equip the students to calculate tax for organisations and strengthen their ability to
	recognize potential opportunities for tax savings and tax planning.

PROGRAMME	PROGRAMME SPECIALIZATI ON	COURSES	OUTCOME
M.Com	Finance	MCM1C01 Business Environment & Policy	To understand the concept of business environment and its factors affecting businessdecisions. To understand government policies and regulations affecting businessoperations.
		MCM1C02 Corporate Governance & Business Ethics	Provide a range of definitions of corporategovernance Identify issues usually addressed by corporate governancestructures Summarise recent scandals and abuses and the regulatoryreaction Explain and evaluate the roles and responsibilities of executive directors, non- executive directors, auditors and company secretaries in ensuring effective corporategovernance.
		MCM1C03 Quantitative Techniques for Business Decisions	Identify the source of a quantifiable problem, recognize the issues involved and produce an appropriate actionplan Carry out a simple sample survey, analyze the results and present the findings to theclass.
		MCM1C04 Management Theory and Organizational Behaviour	Demonstrate the applicability of the concept of organisational behaviour to understand the behaviour of people in theorganisation.

ГГ		
		Better understanding of the complexities associated with management of group behaviour in the organisation.
	MCM1C05 Advanced Management Accounting	Explain the nature and significance of management accounting, various emerging costing approaches, analyse risk and uncertainty, and devise strategies for dealing with risk and uncertainty indecision-making. Understand the nature of standard costing and demonstrate the necessary skills to calculate advancedvariances. Understand and critique both the theoretical issues and influences on practical decisions associated with cost volumeanalysis.
	MCM2C06 Advanced Corporate Accounting	Understand the techniques of restructuring and liquidating the corporateentities. Understand the basic accounting standards relating to revenue andleases Familiarize with modern concepts inaccounting.
	MCM2C07 Advanced Strategic Management	Understand the basic concepts and principles of strategic management to analyse the internal and external environment of business Develop and prepare organizational strategies that will be effective for the current business environment.
	MCM2C08 Strategic Cost Accounting	To understand the applications of cost accounting tools, techniques and concepts in managerial decisionmaking. To understand emerging cost concepts and its applications in strategic costmanagement.
	MCM2C09 International Business	Explain the key legal issues related to businesses operating in othercountries Students are expected to enhance their cognitive knowledge of global issues; interpersonal skills with individuals from various cultures, and social responsibility awareness on globalissues.
	MCM2C10 Management Science	Translate a problem into a simple mathematical model to allow easier understanding and to aid problemsolving Employ appropriate mathematical tools to solveproblems
	MCM3C11	Students will be able to evaluate, synthesise

Financial Management	and apply the contemporary theories and
	empirical evidence concerning FinancialManagement
	Demonstrate and apply knowledge for
	taking investment decisions, financing
	decisions and dividend decisions.
	To describe how the provisions in the
MCM3C12	corporate tax laws can be used for
Income Tax Law, Practice	taxplanning
and Tax	To explain different types of incomes and
Planning I	their taxability and expenses and
	theirdeductibility
	To learn various direct and indirect taxes
	and their implication in practical situations
	To state the use of various deductions to
	reduce the taxableincome
MCM3C13	Search for, select and critically analyse
Research Methodology	research articles andpapers
	Gain experience with instrument
 	development and data collectionmethods
MCM3E01	Students will understand the characteristics
Investment Management	of different financial assets such as money
	market instruments, bonds, and stocks, and
	how to buy and sell these assets in
	financialmarkets.
	Students will understand the benefit of
	diversification of holding a portfolio of
	assets, and the importance played by the marketportfolio.
	Students will know how to apply different
	valuation models to evaluate fixed income
	securities, stocks, and how to use different
	derivative securities to manage their
	investmentrisks.
MCM3E02	Sound knowledge of the broad framework of
Financial Markets &	financial markets and institutions.
Institutions	Better understanding of the characteristics of
	various financial market instruments and the
	regulatory environment inIndia.
MCM4C14	Analyse and price diverse derivatives
Financial Derivatives &	products to generate an optimal risk
Risk Management	managementstrategy.
	Demonstrate critical thinking, analytical and
	problem solving skills in the context of
	derivatives pricing and hedgingpractice.

	Explain the binomial model and its extension in continuous time to the Black- Scholesmodel. Demonstrate an understanding of pricing forwards, futures and optionscontracts
MCM4C15 Income Tax Law, Practice and Tax Planning II	Students will apply critical thinking and problem-solving skills related to taxation of individuals, flow-through entities, and corporations. In addition, students will recognize potential opportunities for tax savings and taxplanning.
MCM4E03 International Finance	Demonstrate the ability to select global financing strategies and propose solutions that will take advantage of opportunities in the global financial markets to the benefit of relevantstakeholders Explain exchange rate determination, and how firms can manage their exchange rate risk and capitalize on anticipated exchange ratemovements
MCM4E04 Advanced Strategic Financial Management	Students will be able to understand concepts, tools and techniques used for financialdecision Learners will be equipped with the skills to apply financial principles relevant to strategic financial management in organisationalcontexts

B.COM (FINANCE)

PROGRAMME SPECIFIC OUTCOMES

PSO1	Apply basic statistical and analytical skills necessary for investigating a range of problems in Commerce and Economics
	problems in Commerce and Economics
PSO2	Exhibit knowledge in all areas of accounting and finance to generate realistic
	solutions as an Entrepreneur/ Business Executive.
PSO3	Equip Students with solid foundation to pursue professional careers such as CA,
	ICWA, CFA, ACS and MBA as well as research.

PROGRAMME	PROGRAMME	COURSES	OUTCOME
	SPECIALIZATION		
B.Com	Finance (Core Courses)	BCM1B01 Business Management	Explain relevant theories and principles associated with the environment of business
			Evaluate legal and ethical principles in business and apply them to organizational decision making
			To acquire a basic knowledge about the emerging trends in business
		BCM2B02 Financial Accounting	Acquire conceptual knowledge of basics of accounting
			Develop the skill of recording financial transactions and preparations of reports in accordance with accounting standards
		BCM3B03 Business Regulations	Demonstrate an understanding of the Legal Environment of Business
			Understand the fundamental legal principles behind contractual agreements
			Understand various modes of dispute resolution in business transactions
			Understand the rules related to sale of goods act
		-	Understand the LLP act 2008, LLP
			agreement and its formation, registration and dissolution
		BCM3B04	The ability to prepare consolidated accounts
		Corporate Accounting	for a corporate group
			Demonstrate a thorough knowledge of

BCM4B05 Cost Accounting BCM4B06 Corporate Regulations Corporate Regulations BCM5B07 Accounting for Management	Interpret the financial statements of a company As the course unfolds, participants will develop a skill in interpreting the financials of the company, and this ability of analyzing will enable the¬ participants to deal more effectively with strategic options for their businesses with the help of cost volume profit analysis. Understand the nature and role of the four
	Understand the nature and role of the four principal financial statements (i.e., the Income Statement, the Statement of Financial Position, the Statement of Cash Flows, and the Statement of Changes in Equity)
	Ability to read, interpret and analyse financial statements; combine financial analysis with other information to assess the

BCM5B08 Business Research Methods BCM5B09 Income Tax Law and Accounts	To understand various styles of report writing to be used in business researches Students will be able to solve their own tax payment calculations easily Students will be capable of advising tax saving methods by applying the different loopholes within the law, which will the main demand by the companies
BCM6B12 Income Tax and GST	Gain an insight on the recording and analyzing the transactions for compliance under GST especially in supply chain & distribution Students will be able to explain different types of incomes and their taxability and expenses and their deductibility Students will be able to learn various direct and indirect taxes and their implication in practical situations.
BCM6B13 Auditing and Corporate Governance	Understand the concept of auditing and its classifications Understand the concept of vouching and verification Understand the concept of internal check and internal control Analyse the conceptual framework of corporate governance Evaluate the major corporate governance failures
BCM5B10 Financial Markets and Services	Understand the role and function of the financial system in reference to the macro economy. Demonstrate an awareness of the current structure and regulation of the Indian financial services sector. Evaluate and create strategies to promote financial products and services
BCM5B11 Financial Management	Understand the concept, tools and practices of financial management Demonstrate and apply knowledge for taking investment decisions, financing decisions and dividend decisions

BCM6B14	Students will understand the characteristics
	of different financial assets.
Investments	
11175811151115	Demonstrate and apply knowledge for taking investment decisions
BCM6B15	To give an account of the derivative market
Financial Derivatives	-
Financial Derivatives	in general
	To give a detailed idea about derivative
DOM1C01	instruments prevailing in the market
BCM1C01	Understand the concept of economics and its
Managerial Economics	relation with other discipline and role of
	managerial economist in business decisions.
	Understand how households (demand) and
	businesses (supply) interact in various
	market structures to determine price and
	quantity of a good produced
	Understand the various theories of consumer
	behaviour
	Represent demand, in graphical form,
	including the downward slope of the
	demand curve and what shifts the
	demand curve
	Understand the characteristics of Indian
	economy, issues and concept of parallel
	economy.
BCM2C02	Understand the characteristics of Indian
Marketing Management	economy, issues and concept of parallel
	Understand the concept of product
	management, branding and pricing of
	products
	Understand the concepts of distribution-
	marketing channels
	Understand the concepts of marketing
	communication and sales promotion
	Understand the concept of E-Commerce,
	Electronic payment system and security
	issues in E commerce
BCM3C03	Better understanding of the concept of
Human Resources	human resource management and its
Management	relevance in organizations.
	Increased understanding of the role,
	functions and functioning of human resource
	department of organizations.
	acputation of organizations.

BCM4C04 Quantitative Techniques for Business BCM3A11 Basic Numerical Methods	Carry out a simple sample survey, analyze the results and present the findings to the class Employ appropriate mathematical tools to
BCM3A12 Professional Business Skills	Make the students familiar with the mechanism of conducting business transactions through electronic media Able to create a structured digital marketing plan and budget
BCM4A13 Entrepreneurship Development	Understand the function of the entrepreneurin the successful commercial application ofinnovations.Understandentrepreneurshipagencies.
BCM4A14 Banking and Insurance	A knowledge of the economic roles and structure of banks in our economy; Knowledge and understanding of the different types of monetary measures that banks take to control money flow; Knowledge and understanding of banking concepts; Demonstrate knowledge of the operation and management of insurance entities, and the economic implications of organizational design and structure. Develop skills to facilitate insurance product

(For UG students from other departments)	Open Course	BCM5D03 Basic Accounting	Develop the ability to use basic accounting system to create the data needed to solve a variety of business problems Develop the ability to use accounting concepts, principles and frameworks to analyse and effectively communicate information to a variety of audiences
	Open course	BCM5D02	Understand the concept of business and
		Basics of	social responsibilities of business

Entrepreneurship and Management	Understand the concept of entrepreneur and registration procedure of Sole
	proprietorship and partnership units. Understand the concept of management
	,principles and functions of
	management

<u>M.S.W</u>

PROGRAMME SPECIFIC OUTCOMES

PSO1	Understand and incorporate core values of social work practice
PSO2	Analyse social realities and social problems
PSO3	Provide social work interventions to individuals, groups and communities

PROGRAMME	PROGRAMME SPECIALIZATION	COURSES	OUTCOME
M S W	SOCIAL WORK	SOW 1 C 01: History, Philosophy and Fields of Social Work (Core Paper)	Understand the history of Social work and Social Work education and its place in the context of other related concepts
			Understand the philosophical assumptions and values of Social Work and the sources of Social work Philosophy
			Apply social work values while working with various client groups
			Analyse ethical dilemmas in practice situations and develop solutions to deal with them
			Understand the different perspectives in Social Work and evaluate their relative relevance/applicability in different practice contexts
			Understand the basic concepts, methods and functions of Social Work and roles and skills of a professional social worker
			Understand and apply the Code of Ethics and understand the attributes of Social Work as a profession

	Understand the various fields of Social Work
SOW I C 02 : Sociology and Economics for Social Work Practice (Core Paper)	Describe the important sociological perspectives
	Outline the contributions of major theorists
	Identify various sociological concepts present in contemporary society
	Examine the impact of social problems existing in the Indian Society
	Recall the basic concepts of Economics
	Elaborate on present-day economic systems
	Explain the concept of economic planning for development
	Determine the impact of the New Economic Policy on the Indian economy
	Analyze the challenges faced by the Indian economy
SOW1 C 03: Human Growth and Development	Understand the definition, nature and scope of Psychology
(Core Paper)	
	Understand the structure and functions of nervous and endocrine system
	Understand the process of genetic transmission
	Understand the definition, nature and scope of Social Psychology
	Evaluate the theories and principles of development
	Understand the life span approach
	Understand the prenatal period
	Understand the infancy, early childhood and late childhood period
	Understand the personal, vocational, marital and vocational adjustments of
	early adulthood
	Understand the personal, vocational, marital and vocational adjustments of
	middle age Understand the personal, vocational,
	marital and vocational adjustments of old age
	and Economics for Social Work Practice (Core Paper)

	Evaluate the dying process
SOWIC04:ProfessionalSkillsforSocialWorkers(Core Paper)	Understand the concepts of self
	Study the various techniques of understanding oneself
	Understand the relationship skills required for Social Workers
	Understand and demonstrate the communication skills required for social workers
	Understand the leadership skills required for social workers
	Understand the application of ICT in social work practice
SOW I C 05: Social Legislation and Human Rights (Core Paper)	Understand the Legal system in India and the process of making social legislation
	Understand Social Legislation as an instrument for Social Control, Social Security, Social change, Social justice and Social Policy
	Understand human rights and organizations to protect human rights
	Understand the legislations for the protection of Children and women and statutory bodies involved in their implementation
	Understand the legislations for the protection of Aged, Disabled and other vulnerable groups, their social relevance, implications, and remedies
	Understand the role of Social Workers in the field of Social legislation and Human rights
	Understand the provisions of Legal Aid and Public Interest Litigation.
SOW I C 06: Concurrent Field Work (Core Paper)	Exposure to the problems of marginalized individuals, groups and communities Get an hands on exposure to working with rural/tribal community
	Exposure and understanding of the functioning of governmental and non-

		governmental organizations involved in welfare and developmental activities for
		marginalized such as aged, destitute, children etc.
		Develop sensitivity towards the needs
		and problems of different target groups.
		Develops the skills of Observation,
		reporting and presentation of observed
		realities.
	SOW2 C07: Social Case	Understand the theoretical framework
	Work	and core values for the practice of social
	(Core Paper)	case work
	(Core Faper)	
		Acquire knowledge to assess and
		diagnose the problems of individuals
		Develop skills to plan intervention for
		individuals with problems
		Develop competence to provide
		intervention for the management of
		interpersonal problems
		Acquire ability in Laisioning,
		networking and mobilizing resources for
		the rehabilitation of individuals with
		problems
		To understand the various tools to assess
		individuals with problems
		Develop competence to provide
		intervention for the management of
		interpersonal problems
		Acquire ability in Laisioning,
		networking and mobilizing resources for
		the rehabilitation of individuals with
		problems
		•
		Acquire skills for recording and documentation of individual and group
		interventions
,	$\mathbf{C} \mathbf{W} \mathbf{C} = \mathbf{O} \mathbf{O} \mathbf{O} \mathbf{O} \mathbf{O} \mathbf{O} \mathbf{O} \mathbf{O}$	
	SOW2 C 08: Social	Develop an understanding of various
	Group Work	types of group, their processes and
	(Core Paper)	dynamics, stages of development and
		models of interventions
		Learn theoretical approaches that inform
		group work practice
		Gain insight into dimensions of group
		processes and group work practice
		Develop skills to work with different
		stages and record the process
		Understand of group work as a method

	of professional social work
SOW2 C 09: Community Organisation and Social Action (Core Paper)	Understand the basic concepts of community, community functions and community dynamics
	Understand the values and process of community organization as a method of social work
	Analyse and evaluate the significance of models of community organization and social action proposed by Jack Rothman, Alinsky, Freire and Gandhi
	Use strategies and skills in community organization and social action
	Practice community organization in different contexts
	Understand the values and process of social action as a method of social work
SOW2 C 10: Psychology for Social Work (Core Paper)	Understand the definition , nature and scope of Social Psychology
	Identify the components, characteristics, formation and modifiability of attitude
	Understand the aspects of social perception-Nonverbal communication, Attribution, Impression formation and Impression management
	Understand the aspects of social cognition-Schema, Heuristics, Priming, Automatic and Controlled Processing
	Understand the aspects of social cognition-Schema, Heuristics, Priming, Automatic and Controlled Processing and sources of error in social cognition
	Understand the nature, functions and concepts of group –Social facilitation, Social loafing, Deindividuation, Decision making
	Understand the aspects of social influence-Conformity, Compliance techniques, Obedience to authority
	Understand the theoretical perspectives and features of prosocial behaviour and Aggression

SOW3 C 13: Understand the significance and
Meso and macro level.
Develop skills in working on micro,
documentation and dissemination.
Improve skills in reporting,
interventions.
organization and other macro level
Observe and practice community
Learn to conduct, practice and record the method of social group work.
(Core Paper) study diagnosis and treatment on an individual level.
Field Work will develop expertise in psycho social (Core Bener)
SOW2 C 12: Concurrent Learn to practice social case work and
abuse and Addiction
Elderly, Workplace, and Substance
Services for children and adolescents,
Grief, Stress management, HIV/ AIDS,
Crisis and trauma, Genetic Issues,
including Marriage and Family, Career,
Practice counselling in contexts
counselling can be practiced
Identify the contexts in which
counselling
Determine the application of theories in
techniques of counseling
Demonstrate the ability to use
Understand the process of counseling
Psychotherapy
Case Work, Guidance and
Differentiate counselling from Social
(Core Paper)
Counselling
and Practice of and its elements
SOW2 C 11: Theory Understand the concept of counselling
disorders Dissociative
disorders, Somatoform disorders, childhood disorders, Dissociative
Schizophrenia, mood disorders, anxiety
Understand the mental disorders-
Biopsychosocial model of mental health
health, mental health issues and
Understand the concept of mental
 and collective behavior

	Qualitativa Mathada for	
	Qualitative Methods for Social Work Research	
	(Core Paper)	
		Understand the process of social work
		research
		Differentiate quantitative research from
		qualitative research
		Demonstrate the ability to use various
		quantitative and qualitative research
		methods
		Understand the meaning of descriptive
		and inferential statistics
		Determine the application of statistical
		techniques in social work research
		Demonstrate the ability to undertake
		research projects in social sciences and
		prepare scientific reports
	SOW3 C 14:	Learn relevant theoretical frame work
	Participatory Project	and skills for project preparation and its
	Planning and Training	various stages
	(Core Paper)	
		Demonstrate skills to work during
		various phases of Development projects
		Acquire skills in preparing
		developmental projects
		Develop scientific temperament in
		preparation and management of
		projects at micro and macro levels
		Develop skills in designing and
		implementing participatory training
		programmes
		Use participatory training
		methodologies for social work interventions
	SOW3 C 15:	
	SOW3 C 15: Community Health	Understand the concept of Community health and related terminologies
	(Core Paper)	hearth and related terminologies
	(Core Paper)	
		Understand the concept of health and
		integrated approach to health in the
		context of Development
		Analyze plans and policies/legislations
		in health and implications for social
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	work practice
	Learn the public health issues and needs facing the country and design social work interventions
	Examine the Health Care system in India and its administration pattern
SOW3 E1 01 :Health Care Social Work Elective I -Medical and Psychiatric Social Work	Understand the history and scope of Health Care social Work
	Demonstrate the ability to do psycho- social assessment of persons with health issues
	Identify the contexts in which health care social work can be practiced
	Understand the role and functions of social workers in the health care settings.
	Determine the application of theories and approaches in health care social work
	Identify the ethical practice in healthcare social work
W3 E 2 01 : Rural Community Development and Governance ective II – Rural and Urban Community Development	Understand the condition of rural and tribal communities in India in terms of social and economic development
	Analyse the challenges faced by the rural and tribal communities.
	Understand the concept, philosophy and principles of Rural Community development
	Understand the programmes and services in the governmental and voluntary sector for rural communities
	Understand the structure and functions of PRIs in community development
	Analyse the role of PRIs in bringing about transformation in rural and tribal communities
	Understand the scope of social work

	interventions in rural communities
SOW3 E102: Social Work in Mental Health Settings Elective I -Medical and Psychiatric Social Work	Learn psychiatric interviewing and assessment in Psychiatry
	Learn Classification in Psychiatry
	Understand Epidemiology, Clinical Manifestation, treatment and outcome of major psychiatric disorders Understand the role of psychiatric social
	worker in psycho social interventions Learn Psycho Social Interventions and Multidisciplinary team approach in the field of mental health
	Understand the significance of psycho social interventions in psychiatric rehabilitation.
	Learn programmes and policies for mental health in India Develop the skills to apply social work
SOW E202: Urban Community Development and Governance ective II – Rural and Urban Community Development	methods in mental health settings Understand the urban communities and the processes like urbanization and its impact on social conditions
	Analyse the challenges faced by urban communities with focus on vulnerable populations
	Understand the concept, philosophy and principles of Urban Community development
	Understand the programmes and services in the governmental and voluntary sector for urban communities
	Understandthestructuresandinstitutions for urban governanceUnderstandthescopeofsocialwork
SOW3 C 16:Concurrent	interventions in rural communities Learn practice of social work in

	Field Work	medical and psychiatric social work
	(Core Paper)	incurcur and psychiatric social work
		Learn practice of social work in the
		context of urban/ rural community on
		meso level.
		Develop skills in observing, analyzing,
		evaluating and creating innovative
		social work intervention.
		Develop Documentation and reporting
		skills
	SOW4 C 17 :	Understand the concepts in
	Administration of	administration and administration as a
	Human Service	method of Social work
	Organizations	
	(Core Paper)	
		Understand the procedure of registering
		trust, society, CBO, NGO and NPO.
		Understand social welfare programmes
		of Ministry of women and child
		development, Ministry of rural
		development, Ministry of urban
		development, Panchayati Raj, Central
		social welfare board and State social
		welfare board.
		Understand HRM and its process
		Understand and use the concept of
		organizational behavior and theories of
		motivation and leadership.
		Understand the problems in
		organizations and use grievance
		redressal mechanisms
	SOW4 C 18 : Social	Understand the concepts-Vulnerability,
	Work with Vulnerable	
	groups	disadvantaged and Stigmatisation
	(Core Paper)	
		Identify vulnerability in children in
		various circumstances and interventions
		Understand the major gender issues and
		vulnerabilities faced by women and the
		policies and programmes for women's
		welfare
		Duration many contained acadel many
		Practice women centered social work to

	by women
	Understand the major vulnerabilities
	faced by elderly and the policies and
	programmes for elderly
	Practice social work for enabling active
	ageing and enhancing quality of life
	Understand the major vulnerabilities
	faced by differently abled persons and
	the policies and programmes for elderly
	and the role of social workers in
	working with them
	Understand the vulnerabilities and
	oppressive practices faced by the
	Scheduled Caste and Scheduled Tribe
	communities, policies and welfare
	programmes and the approaches and
	strategies of social work with them
SOW E 1 03 :	Understand the concept of
Therapeutic Approaches	psychotherapy and different types of
in Medical and	therapies
Psychiatric settings	F
Elective 1 - Medical and	
Psychiatric Social work	
1 syematric Social work	Understand Cognitive and behaviour
	therapies and techniques
	Understandthe Humanistic and
	existential therapies and techniques of
	practice
	UnderstandFamily Therapy and
	• • •
	techniques of practice used in family
	therapy
	Understand Other psychosocial
	therapies like
	Occupational therapy, Play therapy,
	Crisis intervention, Therapeutic
	community, Art therapy, Music therapy,
	Dance movement therapy, Laughter
	therapy, Neuro linguistic programming.
	And Solution focused therapy,
100004 E 2 02	Understand the basic concepts in
SOW4 E 2 03:	1
Environmental Studies	environment studies.
Environmental Studies and Disaster	1
Environmental Studies and Disaster Management	1
Environmental Studies and Disaster	1
Environmental Studies and Disaster Management	1

	Understand the policies and enpresenter
	Understand the policies and approaches in the management of natural resources
	Learn the problems in the management of natural resources and efforts in
	sustainable natural resource
	management
	Understand the environment problems
	and impact of development initiatives.
	Understand the national and
	international measures to deal with
	environment issues
	Understand the process of disaster
	management
	Practice social work in dealing with
	environmental problems and in disaster
	management.
SOW 4 E1 04 :Social	Understand conceptual framework
Work Practice with	related to marriage and family
Families	
Elective 1 - Medical and	
Psychiatric Social work	
	Understand characteristics of family life
	cycle
	Identify models of family dynamics and
	family assessment
	Understand the process of family social
	work
	Understand the history, concepts and
	techniques of family therapy
	Practice family therapy in contexts
	including Family Counselling Centres,
	Family Courts, Family welfare Clinics,
	Adoption and Foster Care Agencies, and
	Family Violence
SOW4 E2 04 : Social	Understand concepts and theories
Work Practice and	related to gender
Gender	
Elective 2 - Rural and	
Urban Community	
Development	
	Understand the status of women with
	respect to health, education, political
	participation, representation in media
	and law and appreciate the gaps therein

	Understand gender based violence, and measures to combat violence Analyse gender issues using gender
	analysis frame woks Understand the theoretical frame work for feminist social work
	Practice social work with women in different contexts using Gender Aware therapy, Feminist counselling, building collectives, education, advocacy and assertiveness training
SOW4 C 19 :Concurrent Field work (Core Paper)	Apply social work methods in specialized settings.
	Skill in documentation, dissemination and recording of social work intervention
	Develop innovative models for social work interventions
SOW4 C 20 :Concurrent Field work (Core Paper)	Apply social work methods in specialized settings
	Develop innovative models for social work interventions
	Develop independent practicing competency to work as professional social worker

OPEN COURSE IN PHYSICAL EDUCATION

PHYSICAL ACTIVITY HEALTH AND WELLNESS

PROGRAM SPECIFIC OUTCOMES

PSO1	Understand Physical Education and basic concept of physical fitness components.
PSO2	Understand the basics of exercise principles.
PSO3	Analyze different postural deformities and measures to correct the deformities
PSO4	Understand lifestyle diseases and its management.

PROGRA MME	PROGRAMME SPECIALIZATIO N	COURSES	OUTCOME
BA, B Sc,	Physical	VPE5D03	To introduce the Fundamental concepts of Physical
B Com	Education	Physical Activity	Education, Health, and Fitness.
		Health and Wellness	
			To provide a general understanding of exercise principals, Nutrition and First aid.
			To familiarize the students regarding Yoga, Stress management and the measures to correct postural deformities.
			To create awareness regarding hypo-kinetic diseases and various measures of fitness and health assessment.