

PROGRAMME OUTCOMES, PROGRAMME SPECIFIC OUTCOMES & COURSE OUTCOMES

2017 Admission Onwards

B.Com. COMPUTER APPLICATION

Programme Outcomes

- Face the modern-day challenges in business environment, keeping abreast of advanced accounting practices.
- To be a part of the workforce needed to meet the growing needs of the industry.
- To be socially responsible professionals in the domain of corporate governance.

Programme Specific Outcomes

- Students will demonstrate that they can present the results of their observations and research in a way that is objective, technically accurate, and legally acceptable.
- To encourage and guide the students for developing IT enabled management system.
- To replace the traditional paper based office system
- Face the modern-day challenges in business Environment.

COURSE OUTCOMES

BC1B01 MANAGEMENT CONCEPTS AND BUSINESS ETHICS

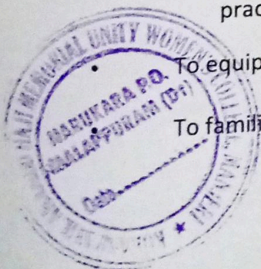
- To help students to understand the process of business management and its functions.
- To familiarize student with current management practices.
- To enable the students to understand the importance of ethics in business.
- To enable the students to acquire knowledge and capability to develop ethical practices for effective management.

BC1C01 MANAGERIAL ECONOMICS

- To enable students to understand micro and macroeconomic concepts relevant for business decisions.
- To help the students to understand the application of economic principles in business management.

BC2B02 FINANCIAL ACCOUNTING

- To enable the students to acquire knowledge of the financial accounting principles and practices.
- To equip the students with skills for recording various kinds of business transactions.
- To familiarize the students with the technique of preparing financial statements.



- To enable the students to acquire knowledge about financial reporting standards and to understand corporate accounting methods.

BC2C02 MARKETING MANAGEMENT

- To provide basic knowledge about the concepts, tools and techniques of marketing.
- To impart necessary knowledge which help the student to choose a career in the field of marketing
- To expose the students to the latest trends in marketing.

BC3A11 BASIC NUMERICAL SKILLS

- To enable the students to acquire knowledge of mathematics and statistics.
- At the end of this course, the students should have understood set operations, matrix and Mathematics of finance, Statistical tools and their applications.

BC3A12 GENERAL INFORMATICS

- To update and expand basic Informatics skills of the students.
- To equip the students to effectively utilize the digital knowledge resources for their study.

BC3B03 BUSINESS REGULATIONS

- To familiarize the students with certain statutes concerning and affecting business organization in their operations.

BC3B04 CORPORATE ACCOUNTING

- To help the students to acquire conceptual knowledge of the fundamentals of the corporate accounting and techniques of preparing the financial statements.

BC3C03 OFFICE AUTOMATION

- To enable the students to acquire basic knowledge in the various office automation tools and its applications in the various areas of business.

BC4A13 ENTREPRENEURSHIP DEVELOPMENT

- To familiarize the students with the concept of entrepreneurship.
- To identify and develop the entrepreneurial talents of the students.
- To generate innovative business ideas in the emerging industrial scenario.

BC4A14 BANKING AND INSURANCE

- To enable the students to acquire knowledge about basics of banking and insurance.
- To familiarize the students with the modern trends in banking.

BC4B05 COST ACCOUNTING

- To familiarize the students with the various concepts and elements of cost.
- To create cost consciousness among the students.

BC4B06 CORPORATE REGULATIONS

- To familiarize the students with corporate law and to make them aware of the importance of corporate governance in the management of organizations.

BC4C04 PROGRAMMING IN Logic in C

- To introduce fundamental principles of problem solving aspect
- To learn the concept of programming
- To learn C language

BC5B08 BUSINESS RESEARCH METHODS

- To enable students for acquiring basic knowledge in business research methods and to develop basic skills in them to conduct survey researches and case studies.

BC5C09 HUMAN RESOURCE MANAGEMENT

- To familiarize the students with the different aspects of managing human resources in an organization.
- To equip the students with basic knowledge and skills required for the acquisition, development and retention of human resources.

BC5B10 LINUX OPERATING SYSTEM

- To have practice in linux operating system
- To have practice in various shell commands
- To learn shell programming under linux

BC5B11 DATA STRUCTURE USING C

- TO introduce the concept of data structure
- To make the students aware of various data structure
- To equip the students implement fundamental data structure

BC5D01 BASIC ACCOUNTING(Open course)

- To enable the students to acquire knowledge of accounting principles and practices.

BCM6B12 INCOME TAX AND GST

- To impart basic knowledge and equip students with application of principles and provisions Income –tax Act,1961 and GST Act 2016.

BC6B13 AUDITING AND CORPORATE GOVERNANCE

- To provide knowledge of auditing principles and techniques and to familiarize the students with the understanding of issues and practices of corporate governance in the global and Indian context.
- To provide an overall idea about important types of co-operatives

BC6B14 RDBMS Using postgre SQL

- To learn practical database design
- To create and manipulate various database project
- To practice administration of DBMS through postgre SQL
- To practice SQL commands

BC6B15 COMPUTERISED ACCOUNTING WITH TALLY

- To enable the students to acquire basic knowledge in the computerized accounting systems and its applications in the area of business.

BC6B14 (PR) Three weeks project and viva-voce

B.COM. CO-OPERATION

PROGRAMME OUTCOMES

- To provide the students managerial skills in disciplines related to commerce.
- Students gain an in-depth knowledge on core subjects like accounting, law, statistics, finance, marketing, etc.,
- Prepare them for both corporate employment or entrepreneurship
- To have a good understanding of how the financial aspects of a business are to be managed.
- Students can look for career prospects in the following domains: • Banking • Company secretary • Chartered accountancy • Economics • Cost work and accountancy • Stock broking • Agriculture economics • Accountant • Accountant executive • Tax auditor • Finance manager • Cost accountant • Financial analyst • Finance planner • Portfolio manager • Investment analyst • Finance controller • Finance consultant • Stock broker • Tax consultant • Auditor Programme

COURSE OUTCOMES

BCM1B01 MANAGEMENT CONCEPTS AND BUSINESS ETHICS

- To help students to understand the process of business management and its functions.
- To familiarize student with current management practices.
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- To enable the students to acquire knowledge about financial reporting standards and to understand corporate accounting methods.

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- To provide basic knowledge about the concepts, tools and techniques of marketing.
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- To expose the students to the latest trends in marketing.

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- To enable the students to acquire knowledge of mathematics and statistics.
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BCM3A12 GENERAL INFORMATICS

- To update and expand basic Informatics skills of the students.
- To equip the students to effectively utilize the digital knowledge resources for their study.

BCM3B03 BUSINESS REGULATIONS

- To familiarize the students with certain statutes concerning and affecting business organization in their operations. BCM3B04 CORPORATE ACCOUNTING
- To help the students to acquire conceptual knowledge of the fundamentals of the corporate accounting and techniques of preparing the financial statements.

BCM3C03 HUMAN RESOURCE MANAGEMENT

- To familiarize the students with the different aspects of managing human resources in an organization.
- To equip the students with basic knowledge and skills required for the acquisition, development and retention of human resources.

BCM4A13 ENTREPRENEURSHIP DEVELOPMENT

- To familiarize the students with the concept of entrepreneurship.
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BCM4A14 BANKING AND INSURANCE

- To enable the students to acquire knowledge about basics of banking and insurance.
- To familiarize the students with the modern trends in banking.

BCM4B05 COST ACCOUNTING

- To familiarize the students with the various concepts and elements of cost.
- To create cost consciousness among the students.

BCM4B06 CORPORATE REGULATIONS

- To familiarize the students with corporate law and to make them aware of the importance of corporate governance in the management of organizations.

BCM4C04 QUANTITATIVE TECHNIQUE FOR BUSINESS

- To familiarize student with the use of quantitative techniques in managerial decision making.

BCM5B07 ACCOUNTING FOR MANAGEMENT

- To enable the students to understand the concept and relevance of management accounting.
- To provide the students an understanding about the use of accounting and costing data for planning, control, and decision making.

BCM5B08 BUSINESS RESEARCH METHODS

- To enable students for acquiring basic knowledge in business research methods and to develop basic skills in them to conduct survey researches and case studies.

BCM5B09 INCOME TAX LAW AND ACCOUNTS

- To impart basic knowledge and equip students with application of principles and provisions Income tax Act, 1961 amended up to date.

BCM5B10 CO-OPERATIVE THEORY AND PRACTICE

- To provide conceptual clarity and theoretical base in co-operation.

BCM5B11 LEGAL ENVIRONMENT FOR CO-OPERATIVES

- To enable the students to acquire knowledge about co-operative legal frame work.
- To understand the formalities for registering co-operatives and the administrative set up.

BCM5D03 BASIC ACCOUNTING

- To enable the students to acquire knowledge of accounting principles and practices.

BCM6B12 INCOME TAX AND GST

- To impart basic knowledge and equip students with application of principles and provisions Income –tax Act,1961 and GST Act 2016.

BCM6B13 AUDITING AND CORPORATE GOVERNANCE

- To provide knowledge of auditing principles and techniques and to familiarize the students with the understanding of issues and practices of corporate governance in the global and Indian context.

BCM6B14 INTERNATIONAL CO-OPERATIVE MOVEMENT

- To enable the students to acquire knowledge about evolution and development of co-operative movement in the world.
- To provide an overall idea about important types of co-operatives

BCM6B15 CO-OPERATIVE MANAGEMENT AND ADMINISTRATION

- To enable the students to acquire knowledge about the co-operative management and administration.
- To familiarize the students with accounting and auditing co-operatives

MASTER OF COMMERCE (M.Com.)

PROGRAMME OUTCOMES

1. After completing two years of Masters in Commerce (M.com) program, students would gain a thorough grounding in the fundamentals of Commerce and Finance.
2. The commerce and finance focused curriculum offers a number of specialization and practical exposures which would equip the student to face the modern-day challenges in commerce and business.
3. The all-inclusive outlook of the course offer a number of value based and job oriented courses ensure that students are trained into up-to-date. In advanced accounting courses beyond the introductory level, affective development will also progress to the valuing and organization levels.

COURSE OUTCOMES

MC1C1 BUSINESS ENVIRONMENT

- To familiarize students with the concepts of macro-economic in which a business organization operates.
- To give an idea about the policies of the government and assess their impact on business.

MC1C2 QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS

- To acquaint students with important quantitative techniques, which enable sound business decisions making.
- To make students learn the process of applying appropriate quantitative techniques for validating findings and interpreting results.

MC1C3 ACCOUNTING FOR MANAGERIAL DECISIONS

- Enable the students to know the applications of accounting tools, techniques and concepts in managerial decision making process.

MC1C4 IT APPLICATIONS IN COMMERCE

- To get an overall idea about various IT applications used in the business platform especially MIS.
- To make a practical approach in spreadsheet modeling and database management system.
- To get an idea about the integrated business solution package.

MC1C5 ORGANISATIONAL THEORY AND BEHAVIOUR

- Develop skills to function effectively in the work place.

- Grow personally through insight in to human behavior.
- Enhance overall organizational effectiveness.
- Sharpen and refine analytical sense.

MC2C6 INTERNATIONAL BUSINESS

- To acquaint the students with various concepts of foreign trade and international business.

MC2C7 ADVANCED CORPORATE ACCOUNTING

- To provide theoretical knowledge of international financial reporting standards.
- To enable the students to gain ability to solve problems relating to holding company, accounts, liquidation of companies and various other accounts.

MC2C8 BUSINESS COMMUNICATION

- To understand the process of business communication.
- To acquire required skills to manage business communication.
- To give awareness about and to help develop the personality of students.

MC2C9 MANAGERIAL SCIENCE

- To familiarize students with concepts of management science and tools supporting decision making
- To enable students to apply management science techniques in appropriate decision situation.

MC3C11 FINANCIAL MARKETS AND INSTITUTIONS

- To provide the students a sound information and knowledge of broad framework of financial markets and institutions
- Study of the positive and significant role of financial institutions in the process of growth and development has been very well recognized in the literature.
- Getting known with the theory and practice of different financial institutions and markets to understand and analyze the interconnection between the monetary forces and real forces, their developmental role and limitations in shaping and influencing the monetary and related policies both at the national and international levels.
- Providing practical experience and skill development modules in financial sector.

MC3C12 INCOME TAX LAW AND PRACTICE

- To enable students to understand computation of taxable income of various entities and procedure of assessment.

MC3C13 RESEARCH METHODOLOGY

- To acquaint students with process and methodology of research.
- To enable students to identify research problems, collect and analyse data and present results.

FINANCIAL DERIVATIVES AND RISK MANAGEMENT

- To make the students efficient in the area of derivatives, by giving them the knowledge of basics in options, futures, swaps etc.

MC4C15 COST MANAGEMENT

- To provide students adequate knowledge of modern cost management techniques and to enable them apply these techniques for managing a profitable and competitive enterprises.

MC3 E (F) 01 FINANCIAL MANAGEMENT

- To acquaint the students with the basic analytical techniques and methods of financial management of business organisation.
- To provide the students the exposure to certain advanced analytical techniques that are used for taking financial policy decisions.

MC3 (F) 2 SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

- To establish a conceptual framework for the study of security analysis and portfolio management. This course will provide the students the ability to understand and utilise the skill of optimizing returns.

MC4 E (F) 03 STRATEGIC FINANCIAL MANAGEMENT

- To build an understanding among students about the concepts, vital tools and techniques used for financial decision making by a business firm.

MC4E (F) 04 TAX PLANNING AND MANAGEMENT

- To acquaint the students with theoretical and practical knowledge of tax planning and management techniques.
- To familiarize the students with major and latest provisions of the India tax laws related judicial announcements pertaining to various assesses with a view to derive maximum possible tax benefits admissible under the law.

DEPARTMENT OF ARABIC

PROGRAMME OUTCOMES

- Learner will be able to communicate effectively in the Arabic language in a variety of speaking Situations.
- Learner will be able to express themselves competently in a variety of oral situations.
- Learner will be able to Read and comprehend texts of an intermediate high level in both traditional and simplified characters.
- Learner will be able to understand most native speakers when they speak clearly on familiar topics.

PROGRAMME SPECIFIC OUTCOMES

- Students will demonstrate knowledge and understanding of other cultures and their products.
- They will be able to recognize and describe the historical, social, economic, and political forces that shape society in the target culture.
- Learner will be able to introduce and to strengthen the cultural values of the students.

COURSE OUTCOMES

- Communicate effectively in the Arabic language via proficient, articulate, and well-organized writing.
- Students will learn to translate the language into English and vice-versa
- Students will be enabled to communicate both in English and Arabic
- Students will be familiarised to use idioms, Phrases and parables of the language.

M.A. ENGLISH PROGRAMME OUTCOME

1. Enhanced career prospects
2. Mastery of the subject knowledge
3. Intellectual development and personality development.

In addition to these the acquisition of a Masters Degree offers the improvement of language skills, the development of critical thinking, the skill to use the words judiciously and the attainment of the primary skills to engage in research.

PROGRAMME SPECIFIC OUTCOMES

1. Detailed understanding of the language use suitable for different communication purposes.
2. Acquisition of scholarship in English language and Literature.
3. Development of critical and analytical skills that enable the student to have a wider perspective about life and society.
4. Knowledge about English language structures, grammar and usage.
5. Objective evaluation of culture, society and literature by applying theory.

COURSE OUTCOMES

SEMESTER I ENIC01 – British Literature from the Age of Chaucer to the 18th Century

- This introduce students with the literature from Chaucer to 18th century
- To introduce and discuss the evolution of literature

ENIC02 – British Literature: The Nineteenth Century

- To make students aware of characteristics of Victorian period
- To familiarize students with 19th century British Literature and their writing style.

ADVANCED COMMUNICATION Paper IV: Group B I

- To familiarize students with different types of communication
- To develop students communication skills

SEMESTER II EN2C03: Twentieth Century Literature up to World War II

- To provide students with a meaningful context of world war through literature
- To understand how literature of the period relates to the importance of 20th century.

EN2C04: Criticism and Theory

- To familiarize students with the literary terms and introduce to them the various streams in literary criticism theory
- To develop critical thinking by introducing various tools of criticism.

EN2E07: American Literature

- To inculcate a literary, aesthetic and critical awareness of diverse cultures and literary creations and thus to arrive at a broader vision of the world
- To initiate the students to varied literatures in English EN2E10: European Fiction in Translation
- To equip students with critical and analytical skills to respond to texts in various languages
- To overcome language barrier in the appreciation of good literature

SEMESTER III EN3C05: Twentieth Century British Literature: Post 1940

- To provide students with a meaningful context of world war through literature
- To understand how literature of the period relates to the importance of 20 th century.

EN3C06: The English Language History and Structure

- to help the students develop a sense of English language history
- to familiarize students with key concepts of English Language EN3E13: Advanced Literary Theory
- To equip students with the skills of interpreting and critically analyzing advanced scholarly essays in literary criticism
- To engage students with discussions contemporary literary theories

ENG3E19: Women's Writing

- To sensitize them to issues like marginalization and subjugation of women
- To motivate them to rethink and redefine literary canons

SEMESTER IV EN4C07 Indian English Literature

- To inspire students to approach and appreciate Indian Literature in English, to explore its uniqueness and its place among the literatures in English
- To expose students to the pluralistic aspects of Indian culture and identity-Western and Indian

EN4C08 Dissertation

- The successful development and implementation of all dissertation procedures.

- Students are exposed to productive guidance, efficient communication and apt supervision of the dissertation team.

- To engage in personal inquiry, action and reflection on specific topics and issues EN4E20 Post-Colonial Poetry

- To initiate students to varied literature in English

- To familiarize them with the concept of Post Colonialism

- To expose them to diverse modes of experiences and cultures

EN4E21 Indian English Fiction

- To familiarize students with major Indian writers writing in English

- To enable them to understand the growth of Indian English fiction EN4E29 Dalit Studies

- To develop an understanding of the consequences of social exclusion and discrimination on economic growth and poverty, education, health and on the wellbeing of the marginalized social groups.

- To expose students to overcome discrimination particularly exclusion and discrimination

B.A. ENGLISH LANGUAGE AND LITERATURE

PROGRAMME OUTCOMES

1. BA English enables the student to understand the society without biases and prejudices.
2. Offers career prospects in areas such as literary fields , media, teaching, advertisement, translation etc.
3. Supports the student to articulate the ideas properly using language.

PROGRAMME SPECIFIC OUTCOMES

1. Acquisition of concepts and ideas connected with language and literature.
2. Introduction into the world of creativity.
3. Improvement in the communication skills.
4. Introduction to the field of translation and academic research.

COURSE OUTCOMES

READING POETRY EN1B1

- To enhance the level of critical thinking of the students to such a degree that the students could critically interact with poems from different contexts: social, political, economic, historical and national as subjects conscious of their own socio-historic specificity.
- To introduce the students to the basic elements of poetry, including the stylistic and rhetorical devices employed in poetry, and to various genres of poetry.
- To train students in various perspective readings in poetry like gender, race, caste, ethnicity, religion, region, environment and nation etc.

READING PROSE EN2B1

- To enhance the level of critical thinking of the students to such a degree that the students could critically interact with prose writings from different contexts - social, political, economic, historical and national as subjects conscious of their own socio-historic specificity.
- To enable the students to identify the specificities of various modes of prose writing and to equip them to write prose in as many different modes as possible
- To develop the critical thinking ability of the student to respond to various modes of prose writings in relation to their socio-historic and cultural contexts.

READING DRAMA EN3B1

- To develop in students a taste for reading drama with a theoretical basis, and to enter imaginatively into other worlds, to consider issues and to explore relationships from the points of view of different people

- To develop a critical understanding of drama and various kinds of theatre and a range of dramatic skills and techniques.
- To familiarize students with the cultural diversity of the world
- To provide students with a meaningful context for acquiring new language and developing better communication skills
- To foster a strong sense of involvement which motivates and encourages students to learn through active participation
- To facilitate exploration of attitudes, values and behaviour and creation of roles and relationships so that the student gains an understanding of themselves and others through dramatic, imaginative experience
- To develop confidence and self-esteem in their relationships with others and sensitivity towards others.

READING FICTION EN3B2

- To inspire a love of fiction in students, to open up their minds, to stimulate the sympathetic/empathic imagination by allowing them to see the world through other's eyes as well to foster intercultural dialogue
- To develop a critical understanding of fiction
- To familiarize students with the cultural diversity of the world and to extend various perspective readings
- To provide students with a meaningful context for acquiring and memorizing new language and developing oral skills
- To cultivate a sense of involvement which motivates and encourages students to learn through active participation.

MODERN ENGLISH LITERATURE EN4B1

- To introduce the student to the general characteristics of the literature and culture of the period and to promote in him/her an interest in and knowledge of the literary productions of the age.
- To understand the political, religious, social and cultural trends of the Modernist and the Postmodernist periods.
- To understand how the literature of the period relates to the important trends of the period.
- To develop an ability to read, understand and respond to a wide variety of texts of the period.
- To appreciate the ways in which authors achieve their effects and to develop skills necessary for literary study.

- To develop the ability to construct and convey meaning in speech and writing matching style to audience and purpose.

METHODOOLOGY OF HUMANITIES EN4B2

- The course is intended to introduce the student to the methodological issues that are specific to the disciplines referred to as the humanities

to inspire in the student a critical perspective with which to approach the disciplines under the humanities.

On completion of the course, the student should be able:

- To know the distinction between the methodologies of natural, social and human sciences
- To understand the questions concerning the relation between language and subjectivity as well as those pertaining to structure and agency in language
- Aware the theories of textuality and reading both

INDIAN WRITING IN ENGLISH EN5B1

- To inspire students to approach and appreciate Indian literature in English, to explore its uniqueness and its place among the literatures in English.
- To motivate students for a critical and comparative study of other literatures in English and to examine the similarities and differences in attitudes, vision and idiom of expression.
- To provide an overview of the various phases of the evolution of Indian writing in English.
- To introduce students to the thematic concerns, genres and trends of Indian writing in English.
- To generate discussions on the constraints and challenges encountered in articulating Indian sensibility in English.
- To expose students to the pluralistic aspects of Indian culture and identity. western and Indian.

LANGUAGE AND LINGUISTICS EN5B2

- to analyze languages, their sounds (phonetics and phonology), their ways of forming words (morphology), their sentence structures (syntax), and their systems of expressing meaning (semantics).
- To lead to a greater understanding of the human mind, of human communicative action and relations through an objective study of language
- To familiarize students with key concepts of Linguistics and develop awareness of latest trends in Language Study

- To help students towards a better pronunciation and to improve the general standard of pronunciation in every day conversation and in reading.
- To help the students develop a sense of English grammar, idioms, syntax and usage.
- To improve writing and speech skills.

METHODOLOGY OF LITERATURE EN5B3

- To familiarize the student with the critical tools used in the reading of literature
- To instill a broader and holistic sensibility in the student with the aim of eventually equipping him to approach, analyze and assess literary discourses through a host of complementary as well as conflictingly different theoretical frameworks.
- To form an idea of the complex nature of literary studies and how they are entangled with other aspects of the social body.
- To unveil the constitutive elements and cultural specificity of literature along with the intricate process of canon formation.
- To help the student gain perceptive insights into the socio-political dynamics, the structuring points of view, the dominant ideology, hegemony, the prevailing common sense and communal underpinnings that mediate the writing, production, reception and survival of a work.
- To familiarize the student with other media, popular literature and emerging trends.
- To introduce and discuss the evolution of literature
- To sensitize the student to his own readings, to develop a critical sensibility, to inculcate a love of literature, and to instill a serious approach to literature.
- To enable the student to read literature using critical and theoretical schools viz. textual approaches - New Critical, psychoanalytic, gender based, ethnic , subaltern , post-colonial, cultural, archetypal, postmodern, ecological perspectives.

INFORMATICS EN5B4

- This course introduces students to all the different aspects of Information Technology and Computers that an educated citizen of the modern world may be expected to know of and use in daily life.
- The topics in the syllabus are to be presented as much as possible with a practical orientation so that the student is given a perspective that will help him to use and master technology. Upon completion of the course:
- The student will have a thorough general awareness of Computer hardware and software from a practical perspective.
- The student will have good practical skill in performing common basic tasks with the computer.

LITERARY CRITICISM AND THEORY EN6B1

- To familiarise the students with the literary terms and introduce to them the various streams in literary criticism
- To make them aware of the inter-disciplinary nature of contemporary criticism and to develop in students, skills for literary criticism.
- To make the students aware that all readers are critics
- To familiarise them with the factors involved in criticism like interpretation, elucidation, judgement and appreciation.
- To introduce the students to basic texts in criticism, relating to various movements and schools of thought
- To develop critical thinking by introducing various tools of criticism-analysis, comparison, theoretical approaches etc.

LITERATURES IN ENGLISH: AMERICAN & POST COLONIAL EN6B2

- To inculcate a literary, aesthetic and critical awareness of diverse cultures and literary creations and thus to arrive at a broader vision of the world.
- To initiate the students to varied literatures in English
- To expose them to diverse modes of experiences and cultures • To familiarize them with the concepts of Post Colonialism
- To enable students to compare and contrast their indigenous literature and culture with other literatures and cultures.

WOMEN'S WRITING EN6B3

- To introduce students to women's voices articulated in literature from various countries
- To introduce them to the evolution of the Feminist movement and to familiarize them with the various issues addressed by Feminism
- To sensitize them to issues like marginalization and subjugation of women • To motivate them to rethink and redefine literary canons
- To enable students to identify concepts of class, race and gender as social constructs and interrelated throughout women's lives
o To lead them to explore the plurality of female experience in relation of these
o To equip them with analytical, critical and creative skills to interrogate the biases in the construction of gender and patriarchal norms.

WRITING FOR THE MEDIA EN6B4

Upon completion students should be able to:

- Understand the nature of news, the role of journalism, advertising in a democratic society, the ethical and legal restrictions on media writing, and the criteria for writing excellence.
- Master the basic writing and reporting skills for various media, including news writing for print and broadcast media, and advertising copywriting.
- Think critically about writing for the media (specifically broadcast journalism, digital media and advertising); develop and apply media writing skills.
- Exhibit competence in the mechanics of concise and clear writing through the use of acceptable grammar, correct spelling, proper punctuation, and appropriate AP style.

ELECTIVES- REGIONAL LITERATURES IN TRANSLATION

- To expose students to the literatures representing India in various regional languages to connect some of the myriad 'little' Indian reality
- To develop familiarity in the students with the cultural, linguistic and social nuances of regional literature
- To overcome language barrier in the appreciation of good literature
- To equip students with critical and analytical skills to respond to texts in various regional languages in India
- To enable students to transcend cultural barriers in understanding, foregrounding and contesting the 'transcultural' India
- To inculcate a sense of oneness as Indians while learning to assert one's own cultural identity and politics.

DEPARTMENT OF HINDI

COURSE OUTCOMES COMMON COURSES HINDI FOR BA/BSc PROGRAMMES

SEMESTER 1 A07 COMMUNICATION SKILLS IN HINDI

1. Learn Hindi for effective communication in different spheres of life: education, governance, media, business and mass communication.
2. Investigate problems and challenges of effective communication in Hindi.
3. Correspondence in Hindi as a tool of communication.
4. Translation as a tool of communication.
5. Conversationalisation as a communication technique.

SEMESTER 2 A08 TRANSLATION AND COMMUNICATION IN HINDI

1. Understanding translation as a linguistic, cultural and professional activity.
2. Learning the art and science of intralingual, interlingual, intersemiotic translation.
3. Evaluating and interpreting translation at different spheres of human activities like literature, media, governance etc.
4. Familiarizing technology of Translation with its possibilities and limitations.

SEMESTER 3 A09 LITERATURE IN HINDI

1. Appreciation of literature using the best specimens provided as a reading list or anthology.
2. Practicing literary analysis and literary criticism using the best specimens.
3. Understanding Literary works as cultural and communicative events- different periods, genres and movements; Literature and Society.

SEMESTER 4 A10 CULTURE AND CIVILIZATION

1. To enable the students to engage with conceptual issues relating to cultural and civilization.
2. To familiarize the students with an interpretive analysis of the cultures and civilizations in the north-western and northern regions of India as well as the cultures in the ganga valley and the Dravidian regions in both the pre-colonial and colonial times.
3. To enable the students to look critically at Kerala Culture with reference to the Indian Culture and general issues relating to culture and civilization.

BCom / BBA PROGRAMME SEMESTER 1 A 07 (2) COMMUNICATION SKILLS IN HINDI

1. Learn Hindi for effective communication in different spheres of life: education, governance, media, business and mass communication.

2. Investigate problems and challenges of effective communication in Hindi.
3. Correspondence in Hindi as a tool of communication.
4. Translation as a tool of communication.
5. Conversationalisation as a communication technique.

SEMESTER 2. A 07(3) LITERATURE IN HINDI

1. Appreciation of literature using the best specimens provided as a reading list or anthology
2. Practicing literary analysis and literary criticism using the best specimens.
3. Understanding Literary works as cultural and communicative events- different periods, genres and movements; Literature and Society.

LRP PROGRAMME BSc COMPUTER SCIENCE /BCA /BSc ELECTRONICS SEMESTER

1. A 07 (3) 1. COMMUNICATION SKILLS IN HINDI

1. Learn Hindi for effective communication in different spheres of life: education, governance, media, business and mass communication.
2. Investigate problems and challenges of effective communication in Hindi.
3. Correspondence in Hindi as a tool of communication.
4. Translation as a tool of communication.
5. Conversationalisation as a communication technique

SEMESTER 2. A 07(3) 2. LITERATURE IN HINDI

1. Appreciation of literature using the best specimens provided as a reading list or anthology.
2. Practicing literary analysis and literary criticism using the best specimens.
3. Understanding Literary works as cultural and communicative events- different periods, genres and movements; Literature and Society.

COMMON COURSES HINDI FOR BA/BSc PROGRAMMES SEMESTER 1. A07 (1) PROSE AND DRAMA

1. To acquaint the students with different forms thoughts and styles used in Hindi prose writing, to make them able to express their thoughts in these different forms.
2. To introduce Hindi Drama to the students for appreciation and critical analysis. 3. To help them develop their creative thinking and writing.

SEMESTER 2 A08 (1)GRAMMAR CORRESPNDANCE AND TRANSLATION

1. Developing a proper sense of grammar for written communication.

2. A student who successfully complete the course should be able to prepare certain basic kinds of letters independently I their personal and professional life.

3. Familiarizing the technology of translation with its possibilities.

SEMESTER 3. A 09 POETRY IN HINDI

1. Appreciation of poetry using the best specimens provided in an anthology.

2. Understanding the origin and development of Hindi poetry through selected poems.

SEMESTER 4. A 10 NOVEL AND SHORT STORIES

1. acquaint the students with different forms thoughts and styles of Hindi fiction. 2. To help them develop their creative thinking and writing.

BCom./ BBA PROGRAMME SEMESTER 1. A 07(2) PROSE FORMS IN HINDI LITERATURE

3. To acquaint the students with different forms thoughts and styles in Hindi Prose writing.

SEMESTER 2. A09 (2) POETRY , CORRESPONDANCE AD TRANSLATION

1. To sensitize the students to the aesthetic, cultural and social aspects of literary appreciation and analysis.

2. To make them aware of the importance of correspondence and translation.

4. To make them proficient to prepare certain basic kinds of letters independently in their personal and professional life.

5. Familiarizing the technology of translation with its possibilities

LRP PROGRAMME BSc COMPUTER SCIENCE /BCA /BSc ELECTRONICS SEMESTER 1. A 07 (3) 1. PROSE AND ONEACT PLAYS

1. To acquaint the students with different forms thoughts and styles in Hindi Prose writing.

2. To make them able to express their thoughts in these different forms. 3. To help them develop their creative thinking and writing.

SEMESTER 2. A 09(3) 1. POETRY AND SHORT STORIES

1. Appreciation of literature using the best specimens provided as reading list.

2. Understanding literary works as cultural and communicative events- different periods and movements, literature and society.

B.A. HISTORY PROGRAMME OUTCOMES

- To create a sense of the past, present and future by emphasizing the interdisciplinary method.
- To learn the process of reconstructing the past with complete reference to the sources of information

PROGRAMME SPECIFIC OUTCOMES

1. Students would be able to know their past and would be able to form a logical connection between the past and the present.
2. Students should understand basic skills for research & writing, tools of historical analysis and understand academic honesty, a concept presented to them in history classes.
3. They would learn how to trace back their own history with the support of various sources of information.
4. Students will demonstrate in discussion and written work their understanding of different peoples and cultures in past environments and of how those cultures changed over the course of the centuries & their present existence.
5. This would create interest in some of them to go for post-graduation and write academic Papers in future.

COURSE OUTCOMES

1. THE TRENDS IN HISTORIOGRAPHY

- A. To enable the student to understand Nature & Scope of History and the evolution of historical writing through ages.
- B. To distinguish between various schools of Historical Writing.

2. HISTORY OF THE EARLY WORLD

- A. to enable the students to have basic understanding regarding ancient civilizations.
- B. The conventional pattern of treating each geographical area of civilization as separate studies has done away with.

3. INFORMATICS AND HISTORY

- A. To review the basic concept and function and knowledge in the field of informatics.
- B. To understand what ICT is so as to explore its impact on society.
- C. To be able to learn and apply its basic techniques and models for learning and research in social sciences.

D. To be able to register these innovations as a continuation of the breakthrough of modern science.

E. To be able to appreciate how these new generation gadgets bring changes in the traditional technology and systems.

4. HISTORY OF EARLY INDIA

A. To examine the aspects of the society during the development of a state in ancient India and the aspects of early empires in North India.

5. HISTORY OF THE MEDIEVAL WORLD

A. Aim of the course is to introduce the aspects of medieval state and society.

6. METHODOLOGY OF HISTORICAL WRITING

A. To enable the student to understand the techniques of writing History and the evolution of such a techniques.

B. To distinguish between various forms of presentation of history and the basic elements of research in history.

7. KERALA SOCIETY AND CULTURE: ANCIENT AND MEDIEVAL

A. To enable the students to understand the major aspects of the evolution of Kerala history and culture in the light of new researches and findings.

8. HISTORY OF MEDIEVAL INDIA

A. To make the students familiar with the aspects of society and culture of India from early medieval period to the period of Mughal rule.

9. HISTORY OF MODERN INDIA

A. To enable the students to understand the major aspects of colonialism, nationalism and the important stages of the struggle for freedom and to critically analyse colonialism and nationalism.

10. HISTORY OF MODERN WORLD

A. The course aims at introducing the major movements in history that proved to be the foundations of modern world

11. HISTORY OF MODERN KERALA

A. To make the students understand the formation of Kerala as a state

B. To analyze the role of Kerala to the Indian National Movement

12. HISTORY OF CONTEMPORARY INDIA

A. To make the students aware of the issues of post independent era and conditions in contemporary India.

13. CONTEMPORARY KERALA

A. To enable the students to understand the issues in contemporary Kerala so as to be responsive to the same.

14. GENDER STUDIES

A. The aim of the course is to introduce studies on women in the light of new concepts and researches.

15. COURSE WORK- DISSERTATION

A. To see if the student has understood the techniques and methods of writing history. The project may be on regional or local history

B. Learning the methodology of History

OPEN COURSE

1. Historical Tourism

A. To inculcate the need for travel and site seeing among the students so as to widen their understanding of cultural past and heritage.

ELECTIVE COURSE

1. Principles and Methods of Archaeology

A. To enable the students to understand the basic principles and methods of archaeology, an important source of writing history and means for understanding and preserving heritage.

COMPLEMENTARY COURSE NO .I (for BA English Programme)

1. Modern World History from AD 1500: Modern World In Transition- From A.D 1500

A. To enable the student to understand the major incidents and movements that became the foundations of modern world.

2. Modern World History from AD 1500: Consolidation of the Modern World

A. To enable the students to understand the major movements and incidents that were crucial in the evolution of modern civilizations.

3. Modern World History from AD 1500: Imperialist Onslaughts and Resistance Movements

A. To present the major incidents and movements that led to the First and Second World Wars and to enable the student to understand the background of the present era and the need for preserving peace.

4. Modern World History from AD 1500: Neo-Colonialism: Challenges and Responses

A. To enable the students to have a better understanding of the movements and incidents after the Second World War and to analyze the problems that confront the world today.

COMPLEMENTARY COURSE NO. II (for BA English Programme)

1. Social and Cultural History of Britain (Ancient and Medieval Period)

To enable the students to understand the background of early English literature so as to have a better understanding of the developments in literature.

2. Social and Cultural History of Britain: History of Tudors and Stuarts

To enable the student to understand the major aspects of royal absolutism in England and challenges against the same so as to have a better understanding of the nature of English people and the development of English literature during the 17th and 18th centuries.

3. Social and Cultural History of Britain: History of Revolutions and Era of Colonialism

To enable the student to understand the aspects of British history during the period of colonialism that serve as the background of the English literature of this period.

4. Social and Cultural History of Britain: History of Victorian and Post-Colonial Developments

To enable the students to understand the English literature in the background of the Commonwealth Countries and post colonial Latin America.

COMPLEMENTARY COURSE NO. I (for BA History Programme)

1. West Asian Studies West Asia In Transition

A. This course is intended to be an introduction to the study of West-Asia in modern history.

2. West Asian Studies Emergence of Modern West Asia

A. To acquaint the students with the circumstances leading to the emergence of modern West Asian states and to make them aware as to how the super powers exploited the disunity among these states.

3. West Asian Studies West Asia in Crises

A. To present the major incidents and movements that led to the First and Second World Wars and to enable the student to understand the background of the present era and the need for preserving peace.

4. West Asian Studies Contemporary West Asia

A. To acquaint the students with the aspects of contemporary West Asia and certain aspects of the relation between India and Gulf countries.

COMPLEMENTARY COURSE NO. II (for BA History Programme)

1. PS 1 CO1: POLITICAL SCIENCE: An Introduction.

To introduce students about the meaning, scope and approaches to the political science.

2. PS 2 CO2: POLITICAL SCIENCE: Ideas and Concepts

To make students aware about major ideas & concepts in political science so as to apply them in their life

3. PS 3 CO3: POLITICAL SCIENCE: Structures and Processes

To understand how different governments functions in a democratic set up.

4. PS 4 CO4: POLITICAL SCIENCE: Political Ideologies

To understand different political ideas and its impact on public opinion.

DEPARTMENT OF MALAYALAM

COURSE OUTCOMES

Semester I: (BA/BSc) MAL1A01 COMMON COURSE MALAYALA SAHITYAM 1

- Introducing various phases of the growth of Malayalam literature.
- General awareness of the stylistic features of Malayalam writers.
- Developing acquaintance with the selected writes.

Semester II: MAL2A02 COMMON COURSE MALAYALA SAHITYAM 2

- Understanding the different phases of Malayalam poetry, movements and innovative imaginaries and the evolution of prose and literary criticism in the language.

Semester III: MAL3A03 COMMON COURSE MALAYALA SAHITYAM 3

- Developing a sense of appreciation towards the genres of drama, screen play, autobiography, travelogues etc among students studying Malayalam as a second language.

Semester IV: MAL4A04 COMMON COURSE MALAYALA SAHITYAM 4

- Along with creative writing, communication and cultural studies , the literary form of the novel has also been included to develop creative and analytical skills towards personal and professional awareness in a complex inter connected world.

Semester I: (B.Com) MAL1A01 (1) COMMON COURSE MALAYALA SAHITYAPADANAM 1

- To engage commerce and BBA students in critical approach with Malayalam literature using various genres and different literary movements.
- Enhancing business communication skills and understanding the importance of translation.

Semester II: MAL2A02 (1) COMMON COURSE MALAYALA SAHITYAPADANAM 2

- Introducing different literary forms to develop general awareness.

Semester I: (CS) MAL1A01 (2) COMMON COURSE MALAYALAM BHASHAYUM SATHIYAVUM 1

- To approach varying realms of science and culture through mother tongue.
- Enhancing creative communication through the study of poetry.
- Comprehending the prospects and challenges in translation.

Semester II: MAL2A02(2) COMMON COURSE MALAYALAM SAHITYAPADANAM 2

- Introducing different literary forms to develop general awareness.

B.SC. BOTANY

PROGRAMME OUTCOMES

The curriculum envisages under graduate education as a combination of general and specialized education, simultaneously introducing the concepts of breadth and depth in learning.

PROGRAMME SPECIFIC OUTCOMES

- Inculcate interest in nature with its myriad living forms
- Give better exposure to the diversity of plant kingdom
- Give awareness about natural resources and their importance in sustainable development
- Determine the economic and medicinal plants used in agriculture and medicine
- Provide an awareness about the diseases, agents and symptoms in different plant species
- Understand the evolutionary relationship between the plant groups
- Analyze the relationship between plants and microbial organisms
- Understand the mechanism to produce genetically modified plants
- Provide opportunities for the application of the acquired knowledge in day to day life

COURSE OUTCOMES

SEMESTER I BOT1B01T: ANGIOSPERM ANATOMY

- Understand the structure of plant cell and non-living cell inclusions
- Comparative analysis of various types of tissues in plants
- Gain the knowledge of vascular tissues in monocot and dicot plants
- Differentiate the normal, extra-stelar and anomalous secondary growth in plants

SEMESTER II BOT2B02T: RESEARCH METHODOLOGY AND MICROTECHNIQUE

- Understand the competence in research approaches
- Impart knowledge about data collection, interpretation and deduction of data, research report writing and data presentation
- Develop the concept about the measures of central tendency, measures of dispersion, probability, test of hypothesis and experiment designing

- Understand different biophysical techniques
- Collect the knowledge about microscopy and micrometry
- Understand the procedure of permanent slide preparation

SEMESTER III BOT3B03T: MICROBIOLOGY, MYCOLOGY, LICHENOLOGY AND PLANT PATHOLOGY

- Understand the various aspects of micro-organisms.
- Familiarize their ecological and economic importance and various culture techniques.
- Study different classification systems in fungi and their major features.
- Develop an idea about various plant diseases, symptoms and managing measures.
- Brief account on common plant diseases.
- Identification of the diseases, pathogen, symptoms and control measures of common plant diseases.

4 SEMESTER IV BOT4B04T: PHYCOLOGY, BRYOLOGY, PTERIDOLOGY

- Acquire knowledge on general characters, classification systems, phylogenetic patterns and economic importance of algae, bryophytes and pteridophytes.

SEMESTER V BOT5B05T: GYMNOSPERMS, PALAEOBOTANY, PHYTOGEOGRAPHY & EVOLUTION

- Study general characters, classification, distribution and other major aspects of gymnosperms.
- Know the evolutionary trends and economic importance of the group.
- Understand the basic and applied aspects of fossil plants.
- Study relation between different plant distribution patterns and topography.
- Understand evolution and various theories.
- Emphasize on evolutionary processes and subsequent changes in flora

BOT5B06T: ANGIOSPERM MORPHOLOGY AND SYSTEMATICS

- To know about stem, root and leaf modifications
- Identify and describe different inflorescence types in plants
- Understand the concept that 'flower is a modified shoot'
- Know about different types of fruits and seeds along with the adaptations for dispersal

- Familiarize the components and development of plant systematics
- Understand different systems of plant classification
- Study the salient features of different monocot and dicot families
- Know the contributions of eminent taxonomists
- Develop a better knowledge on plant nomenclature and key preparation
- Describe the steps of herbarium preparation and maintenance
- Familiarize different international herbarium types

BOT5B07T: EMBRYOLOGY, PALYNOLOGY, ECONOMIC BOTANY, ETHNOBOTANY, HORTICULTURE

- Know about anther and ovule structure, gametogenesis and fertilization
- Study the types of endosperm, embryo and polyembryony
- Describe different types of polyembryony
- Study on pollen morphology and acetolysis procedure
- Describe different aspects of applied palynology
- Familiarize the different types and mechanisms of pollination
- Study the binomial, family and morphology useful part of cereals, pulses, sugar, fruits, vegetables, ornamental plants, timbers, fibres, spices, medicinal plants, oil seeds and latex
- Understand major tribes of South India and ethnobotanic significance of medicinal plants
- Provide better knowledge about the soil components, fertilizers and irrigation methods
- Demonstrate different vegetative propagation methods
- Develop the clear idea about the gardening methods
- Study the different stages of mushroom cultivation

BOT5B08T: GENERAL AND BIOINFORMATICS, INTRODUCTORY BIOTECHNOLOGY AND MOLECULAR BIOLOGY

- Understand the application of information technology in plant biology
- Study the relationship of information technology and society
- Know about the cyber ethics • Study the genomics, proteomics and genome projects
- Understand the role of IT in phylogenetic tree construction and drug design

- Provide the elaborated information about genetic code, DNA and RNA
- Provide the exact knowledge of central dogma of protein synthesis
- Demonstrate the steps of in vitro micropropagation of desired plants
- Develop the different aspects of tissue culture methods
- Understand the in vitro secondary metabolic production using bioreactors
- Study the application of biotechnology in medicine, agriculture, industry and forensics

BOT5D02: OPEN COURSE – APPLIED BOTANY

- Describe different vegetative propagation and micro propagation methods in plants
- Gain knowledge about different steps of growing plants
- Understand the role of botany in everyday life
- Study the binomial, family and morphology of useful part of the cereals, pulses, timbers, spices, fruits, ornamental plants etc.

SEMESTER VI BOT6B09T: GENETICS AND PLANT BREEDING

- Develop the idea of Mendelian experiments and ratios
- Understand the modified Mendelian ratios
- Make correct knowledge about quantitative inheritance
- Describe the types of linkage and crossing over
- Understand the sex determination mechanism in plants and animals
- Study the sex linked inheritance and extranuclear inheritance
- Collect the knowledge of population genetics
- Study different breeding techniques in plants
- Know about different modern tools for plant breeding

BOT6B10T: PHYSIOLOGY AND METABOLISM

- Understand the relationship between plant cell and water
- Know about the transpiration mechanism in plants
- Study the different pathways of inorganic nutrient absorption in plants
- Comprehend the knowledge of photosynthesis in higher plants

- Know about biological nitrogen fixation in plants
- Describe mechanisms of translocation and distribution of photo assimilates in plants
- Understand the different phytohormones and their role in plants
- Know about different plant movements by light, gravity, mechanical force etc.
- Describe different biomolecules and its role in metabolism
- Familiarize the intermediary metabolic pathways in plants

BOT6B11T: CELL BIOLOGY AND BIOCHEMISTRY

- Know the structure and function of cell organelles
- Understand and identify the different types of chromosomes
- Study the different stages of mitosis and meiosis in plant cells
- Comprehend the knowledge of chromosomal aberrations
- Understand the macromolecules as building block of biomolecules
- Study the structure and function of carbohydrates, lipids, proteins and nucleotides
- Understand the enzyme catalysis mechanisms during metabolism

BOT6B12T: ENVIRONMENTAL SCIENCE

- Understand the ecosystem and different biogeochemical cycles
- Describe the ecological adaptations of plants grown in different environmental conditions
- Acquire the knowledge about biodiversity conservation
- Comprehend different types of pollution and its management
- Understand and explain the major ecosystems of biosphere
- Gain knowledge of patterns of plant distribution
- Identify the phytogeographical zone of India
- Acquire the knowledge of continental drift and theory of land bridges
- Study the origin of earth and evolution of prokaryotic and eukaryotic cells
- Develop the idea of theories of evolution
- Familiarize the knowledge of speciation and origin of species

BOT6B13T: ELECTIVE PAPER – GENETIC ENGINEERING

- Understand the protocol of DNA / RNA isolation and purification from plant tissues
- Study 'how can separate DNA / RNA through gel electrophoresis method
- Know different blotting techniques in molecular biology
- Familiarize different cloning vectors which are used in recombinant DNA technology
- Develop correct knowledge about steps of rDNA technology
- Understand different genetically modified crop plants and animals

B.Sc. CHEMISTRY

PROGRAMME OUTCOMES

Familiarizes the emerging areas of chemistry and their applications in various spheres of chemical sciences and to apprise the students of its relevance in future studies

PROGRAMME SPECIFIC OUTCOMES

- To understand basic facts and concepts in Chemistry while retaining the exciting aspects of Chemistry so as to develop interest in the study of chemistry as a discipline.
- To develop the ability to apply the principles of Chemistry.
- To appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society.
- To develop problem solving skills.

COURSE OUTCOMES

Semester – I CHE1B01. Theoretical and Inorganic Chemistry

- To develop interest among students in various branches of inorganic chemistry.
- To impart essential theoretical knowledge on atomic structure, periodic properties, chemical bonding, and nuclear chemistry.

Semester – II CHE2B02. Theoretical and Inorganic Chemistry –II

- To familiarise with the basic principles of quantum chemistry and to impart the students concepts of the fundamentals of quantum mechanics and its applications in the study of structure of atoms.
- To develop a broad idea about chemical bonding and molecular structure.

Semester – III CHE3B03. Physical Chemistry –I

- To understand the general characteristics of different states of matter.
- To impart knowledge to the students about the intermolecular forces in gases and liquids, the structure of solids and Defects in solids .

Semester – IV CHE4B04. Organic Chemistry –I

- To impart the students a thorough knowledge about the chemistry of some selected functional groups with a view to develop proper aptitude towards the study of organic compounds and their reactions.
- To enable the students to understand and study organic reaction mechanism.

CHE4B05 (P). Inorganic Chemistry Practical-I

- To develop skills for quantitative estimation using the different branches of volumetric analysis .

Semester – V CHE5B06. Inorganic Chemistry –III

- To give basics of analytical chemistry and to study the characteristics and properties of S and P block elements.
- Basic idea about environmental pollution and solid waste management.

CHE5B07. Organic Chemistry –II

- To impart the students a thorough knowledge about the mechanisms of reactions of some selected functional groups in organic compounds and also to give an outline of applied organic chemistry and the applications of organic chemistry in various spheres of chemical sciences.

CHE5B08. Physical Chemistry –II

- To provide an insight into the kinetic aspects of chemical reactions and phase equilibria.
- To derive some thermochemical equations and kinetic equations.
- To study phase diagrams and elementary idea of catalysis and chromatography.
- To impart a thorough knowledge of the fundamentals of microwave, infrared, Raman, electronic and magnetic resonance spectroscopy, mass spectrometry.

CHE5D01.Environmental Chemistry (Open Course)

- To acquire knowledge about the environmental issues of the present world, types of pollution and methods to reduce pollutant.
- It makes awareness about waste management.

Semester – VI CHE6B09. Inorganic Chemistry –IV

- To understand the general characteristics of the d and f block elements
- To give the students a thorough knowledge of the different theories to explain the bonding in coordination compounds.
- To improve the level of understanding of the chemistry of organometallic compounds, metal carbonyls and metal clusters.

CHE6B10. Organic Chemistry –III

- To impart the students thorough idea in in the chemistry of carbohydrates, heterocyclic compounds, amino acids, proteins and nucleic acids. To study the fundamentals of terpenoids, alkaloids, vitamins, lipids and steroids.
- To have an elementary idea of supramolecular chemistry and Green Fluorescent Proteins.

CHE6B11. Physical Chemistry –III

- To provide an insight into the characteristics of different types of solutions and electrochemical phenomena.
- To learn ionic equilibria and electrical properties of ions in solution.
- To learn the concepts of acids and bases, pH and buffer solutions.

CHE6B12. Advanced and Applied Chemistry –III

- To provide elementary ideas of advanced topics in chemistry like nano chemistry, computational, green chemistry, supramolecular and combinatorial chemistry.

CHE6B13. Polymer Chemistry –III (Elective)

- To provide an insight into the types of polymerization and their properties and reactions.

CHE6B14(P). Physical chemistry practical

- To develop skills in doing experiments in kinetics, conductometry, viscosity, potentiometry and phase rule.

CHE6B15(P). Organic chemistry practical

- To develop skills required for the qualitative analysis of organic compounds, determination of physical constants.

CHE6B16(P). Inorganic chemistry practical

- To impart the students a thorough knowledge of Systematic qualitative analysis of inorganic mixtures by Semi-micro method.
- The students will get training in the quantitative analysis of metal ions and anions using gravimetric method.

M.Sc. CHEMISTRY PROGRAMME OUTCOMES

A research oriented learning that develops analytical and integrative problem solving approaches.

PROGRAMME SPECIFIC OUTCOMES

1. Gains complete knowledge about all fundamental aspects of all the elements of chemistry.
2. Understands the background of organic reaction mechanisms, complex chemical structures, instrumental method of chemical analysis, molecular rearrangements and separation techniques.
3. Appreciates the importance of various elements present in the periodic table, coordination chemistry and structure of molecules, properties of compounds, structural determination of complexes using theories and instruments.
4. Gathers attention about the physical aspects of atomic structure, dual behavior, reaction pathways with respect to time, various energy transformations, molecular assembly in nanolevel, significance of electrochemistry, molecular segregation using their symmetry.
5. Learns about the potential uses of analytical and industrial chemistry, medicinal chemistry and green chemistry.
6. Carry out experiments in the area of organic analysis, estimation, separation, derivative process, inorganic semi micro analysis, preparation, conductometric and potentiometric analysis

COURSE OUTCOMES

Semester - 1 THEORETICAL CHEMISTRY-CH1C01

- Learns the fundamentals of quantum mechanics and group theory
- Learns to predict the translational and rotational motions of molecules using point group and character table
- Gains good idea about quantum mechanical postulates and its applications.

INORGANIC CHEMISTRY-CH1C02

- Understands the background of bonding forces.
- Appreciates the importance of various theories in bonding.
- Visualizes the energy behind the nuclear reaction.
- Enlightens the knowledge about inner transition compounds.

ORGANIC CHEMISTRY-CH1C03

- Appreciates the fundamentals of aromaticity in organic chemistry

- Acquires the 3-D aspects of organic molecules.
- Analyses the cruciality of the stereochemical process
- Perceives the concept of conformational analysis

PHYSICAL CHEMISTRY-CH1C04

- Learns the classical status of thermodynamics
- Appreciates the fundamentals of molecular thermodynamics
- Estimates the basis of chemical surfaces

Semester – 2 THEORETICAL CHEMISTRY-CH2C05

- Perceives the postulates of quantum chemistry
- Applies the wave mechanics for determining atom structure
- Visualizes the macro molecular structure

INORGANIC CHEMISTRY-CH2C06

- Learns the chemistry basis of solid state
- Learns the structure and properties of coordination compounds
- Analyses the reaction pathways of complex formation
- Appreciates the vibrant role of catalysts in chemical reaction

ORGANIC CHEMISTRY-CH2C07

- Visualizes the aromatic electrophilic substitution mechanism
- Learns the fundamentals of reaction mechanisms
- Understands the mechanism of nucleophilic substitution and elimination reactions

PHYSICAL CHEMISTRY-CH2C08

- Understands the various theories of electrolytic conductance
- Recognizes the dynamics of electrode reaction
- Learns the importance of chemical reaction against time
- Validates the theoretical background of rotational spectra
- Analyses the physical approach of IR and Raman spectra
- Gains knowledge about NQR and ESR spectra

Semester -3 MOLECULAR SPECTROSCOPY-CH3C09

- Analyses the chemical structure using UV, IR and mass spectra
- Determines the chemical environment ^1H and ^{13}C NMR spectra
- Gains the potential of organic reactants
- Determines the complex structure of steroids

INORGANIC CHEMISTRY-CH3C10

- Validates the role of bioinorganic chemistry in every day action
- Determines the structure of complex using electronic spectra
- Employs the IR, Raman and Massbauer analytical tools for structural elucidation
- Understands the magnetic properties by NMR and ESR spectra

ORGANIC CHEMISTRY-CH3C11

- Understands the basis of redox reaction
- Gains the potential of organic reactants
- Appreciates the various steps involved in the molecular rearrangements
- Gains the potential about complex vitamin and nucleic acid structure

SYNTHETIC ORGANIC CHEMISTRY-CH3E01

- Gains the potential of organic reactants • Understands the basis of redox reaction
- Appreciates the various steps involved in the molecular rearrangements

Semester – 4 INSTRUMENTAL METHODS-CH4C12

- Analysis the variations of practical errors
- Gains the potential about different precipitation processes
- Determines the procedure for electro analytical techniques
- Determines the procedure for thermo analytical techniques
- Validates the strength of spectro analytical technique

ADVANCED TOPICS IN CHEMISTRY-CH4C13

- Learns basis of green chemistry
- Understands principles of green chemistry

- Appreciates the importance of solvent free synthesis
- Gains the importance of medicinal chemistry
- Appreciates the role of antibiotics in everyday life
- Gains knowledge about molecular designing

NATURAL PRODUCTS AND POLYMERS-CH4E06

- Understands the classification of polymers
- Learns the chemical background of individual polymers
- Determines the various uses of polymers
- Analyses the different types of polymerization process
- Visualizes the methods of polymer degradation

INORGANIC PRACTICAL-I&II

- Determines the procedure for semi micro analysis of inorganic salt mixture
- Understanding the procedure for semi micro qualitative analysis • Estimates the accurate analytical procedure of analysis
- Appreciates the procedure for inorganic analysis
- Learns the steps involved in the complex formation process

ORGANIC PRACTICAL-I&II

- Learns principle of organic estimation
- Gains the procedure for organic separation and derivation
- Understands the method of organic preparation
- Develops the various routes for recrystallization • Identifies the way for identification of components

PHYSICAL CHEMISTRY PRACTICAL- I&II

- Gains the procedure for conductometric determination
- Learns holistic method of surface adsorption • Experiments the kinetics of chemical reaction
- Appreciates the importance of potentiometric methods • Understands the sensitivity of pH metric titration

B.Sc. COMPUTER SCIENCE

PROGRAMME SPECIFIC OUTCOME

The specific outcome of the programme includes:

- To attract young minds to the potentially rich & employable field of computer applications.
- To be a foundation graduate Programme this will act as a feeder course for higher studies in the area of Computer Science/Applications.
- To develop skills in software development so as to enable the B.Sc. Computer Science graduates to take up self-employment in Indian & global software market.
- To train & equip the students to meet the requirements of the Software industry in the country and outside.

COURSE OUTCOMES SEMESTER - I BCS1B01 – COMPUTER FUNDAMENTALS AND HTML

- To equip the students with fundamentals of Computer
- To learn the basics of Computer organization
- To equip the students to write algorithm and draw flow chart for solving simple problems →
To learn the basics of Internet and webpage design

SEMESTER - II BCS2B02 – PROBLEM SOLVING USING C

- To equip the students with fundamental principles of Problem Solving aspects.
- To learn the concept of programming
- To study C language
- To equip the students to write programs for solving simple computing problems

BCS2B03 - PROGRAMMING LABORATORY I: LAB EXAM OF 1st AND 2nd SEMESTER HTML AND PROGRAMMING IN C

- To equip the students with fundamental principles of Problem Solving aspects.
- To learn the concept of programming
- To study C language
- To equip the students to write programs for solving simple computing problems

SEMESTER - III BCS3B04 – DATA STRUCTURES USING C

- To introduce the concept of data structures
- To make the students aware of various data structures

→ To equip the students implement fundamental data structures

SEMESTER - IV BCS4B05 – DATABASE MANAGEMENT SYSTEM AND RDBMS

→ To learn the basic principles of database and database design

→ To learn the basics of RDBMS

→ To learn the concepts of database manipulation SQL

→ To study PL/SQL language

BCS4B06- PROGRAMMING LABORATORY II: LAB EXAM OF 3rd AND 4th SEMESTER DATA STRUCTURES AND RDBMS

To make the students equipped to solve mathematical or scientific problems using C

→ To learn how to implement various data structures.

→ To provide opportunity to students to use data structures to solve real life problems.

SEMESTER - V BCS5B07-COMPUTER ORGANIZATION AND ARCHITECTURE

→ To learn logic gates, combinational circuits and sequential circuits

→ To learn basics of computer organization and architecture

BCS5B08-JAVA PROGRAMMING

→ To review on concept of OOP.

→ To learn Java Programming Environments.

→ To practice programming in Java.

→ To learn GUI Application development in JAVA.

BCS5B09-WEB PROGRAMMING USING PHP

→ To learn web Programming Environments.

→ To practice web programming in PHP.

BCS5B10-PRINCIPLES OF SOFTWARE ENGINEERING

→ To learn engineering practices in Software development.

→ To learn various software development methodologies and practices.

→ To learn and study various Evaluation methods in Software Development.

BCS6B14- PROGRAMMING LABORATORY III: LAB EXAM OF Vth SEMESTER JAVA AND PHP PROGRAMMING

- To practice Java programming
- To practice client side and server side scripting.
- To practice PHP Programming.
- To practice developing dynamic websites.
- To practice how to interact with databases through PHP.

SEMESTER - VI BCS6B11- ANDROID PROGRAMMING

- To have a review on concept of Android programming.
- To learn Android Programming Environments.
- To practice programming in Android.
- To learn GUI Application development in Android platform with XML

BCS6B12-OPERATING SYSTEMS

- To learn objectives & functions of Operating Systems.
- To understand processes and its life cycle.
- To learn and understand various Memory and Scheduling Algorithms.
- To have an overall idea about the latest developments in Operating Systems

BCS6B13-COMPUTER NETWORKS

- To learn about transmissions in Computer Networks.
- To learn various Protocols used in Communication.
- To have a general idea on Network Administration.

BCS6B15 - PROGRAMMING LABORATORY IV: LAB EXAM OF ANDROID AND LINUX SHELL PROGRAMMING

- To practice Android programming
- To practice user interface applications
- To develop mobile application.
- To practice shell programming

BCS6B17-PROJECT WORK

- To provide practical knowledge on software development process.

M.Sc. COMPUTER SCIENCE PROGRAMME OUTCOME

The course of the M.Sc. Computer Science programme is designed with the following outcomes:

- To equip students to take up challenging research oriented responsibilities and courses for their higher studies/profession.
- To train and equip the students to meet the requirements of the Software industry in the country and outside.
- To motivate and support the students to prepare and qualify challenging competitive examinations such as JRF/NET/JAM/GATE etc.

COURSE OUTCOMES

SEMESTER - I CSS1C01-DISCRETE MATHEMATICAL STRUCTURES

- To introduce discrete mathematics concepts necessary to understand basic foundation of Computer Science.

CSS1C02 - ADVANCED DATASTRUCTURES

- To introduce basic and advanced data structures dealing with algorithm development and problem solving.

CSS1C03 - THEORY OF COMPUTATION

- To provide the students with an understanding of basic concepts in the theory of computation.

CSS1C04 - THE ART OF PROGRAMMING METHODOLOGY

- To learn the art of designing algorithms and flowcharts.
- To introduce the concept of algorithmic approach for solving real-life problems.
- To develop competencies for the design and coding of computer programs
- . → To learn designing programs with advanced features of C.

CSS1C05-COMPUTERORGANIZATION&ARCHITECTURE

- To familiarize with the digital fundamentals, computer organization, computer architecture and assembly language programming.

CSS1P06 - PRACTICAL I

- To practically implement the theory portions covered in The Art of Programming Methodology (CSS1C04) and Advanced Data Structures (CSS1C02).

SEMESTER II CSS2C01-DESIGN AND ANALYSIS OF ALGORITHMS

- To introduce the concept of algorithmic approach for solving real-life problems.
- To teach basic principles and techniques of computational complexity.
- To familiarize with parallel algorithms and related techniques.

CSS2C02-OPERATING SYSTEM CONCEPTS

- Introduce the underlying principles of an operating system
- Exposure of multi programming, virtual memory and resource management concepts.
- Case study of public and commercially available operating systems.

CSS2C03-COMPUTER NETWORKS

- To provide the student with a top down approach of networking starting from the application layer.
- To introduce computer networking in the back drop of Internet protocol stack.

CSS2C04-COMPUTATIONAL INTELLIGENCE

- To introduce concepts of Artificial Intelligence and Machine Learning.

CSS2P06-PRACTICAL II

- To practically implement the theory portions covered in Operating System Concepts (CSS2C02) and Computer Networks (CSS2C03).
- To extend the programming knowledge acquired thru The Art of Programming Methodology (CSS1C04). CSS2P07-TERM PAPER
- To introduce the student to the techniques of literature survey.
- To acquaint him/her with the process of presenting his/her work through seminars and technical reports.

CSS2E05c-WEB TECHNOLOGY

- To introduce the tools for creating and maintaining websites
- content development (HTML), client side scripting (JavaScript), web server (Apache), server side scripting (PHP) and content management system (Joomla!).

SEMESTER III CSS3C01-ADVANCED DATABASE MANAGEMENT SYSTEM

- To understand the relational model, and know how to translate requirements captured in an Entity-Relationship diagram into a relational schema.

- To reason about dependencies in a relational schema
- To understand normal form schemas, and the decomposition process by which normal forms are obtained.
- To familiarize with advanced SQL statements
- To understand advanced features of database technologies.

CSS3C02-PRINCIPLES OF COMPILERS

- To introduce the fundamental concepts and various phases of compiler design.

CSS3C03-OBJECT ORIENTED PROGRAMMING CONCEPTS

- To learn object oriented concepts and programming concepts and methodologies and to learn its implementation using Java.

CSS3P06-PRACTICAL III

- To practically implement the theoretical aspects covered in Advanced Database Management System (CSS3C01) and Object Oriented Programming Concepts (CSS3C03).
- To extend the programming knowledge acquired through The Art of Programming Methodology (CSS1C04) to encompass object oriented techniques.

CSS3E04f-DATA WAREHOUSING AND DATA MINING

- To provide the fundamentals on information retrieval and data mining techniques
- To focus on practical algorithms of textual document indexing, relevance ranking, web usage mining, text analytics, as well as their performance evaluations.
- To give an exposure to the fundamentals of Data Analytics. CSS3E05c-SYSTEM SECURITY
- To provide an understanding of the differences between various forms of computer security, where they arise, and appropriate tools to achieve them.

SEMESTER IV CSS4C01–PRINCIPLES OF SOFTWARE ENGINEERING

- To develop familiarity with software engineering principles and practices.
- To have an understanding about the process of product/literature survey, techniques of problem definition, and methods of report writing.

CSS4C02-PROJECT WORK

- To give a practical exposure to the process of software development life cycle
- To develop a quality software solution by following the software engineering principles and practices. Students are also encouraged to take up a research oriented work to formulate a

research problem and produce results based on its implementation/simulation/experimental analysis.

CSS4E01B-ADVANCED TOPICS IN DATABASE DESIGN

– To study the advanced database techniques beyond the fundamental database techniques.

B.Sc FAMILY AND COMMUNITY SCIENCE

PROGRAMME SPECIFIC OUTCOMES

- Understand and appreciate the role of interdisciplinary sciences in the development and wellbeing of individuals, families and communities
- Understand the sciences and technologies that enhance the quality of life of people
- Acquire professional and entrepreneurial skills for economic empowerment of self in particular, and community in general
- Develop professional skills in food, nutrition, textiles, housing, product making, communication technologies and human development
- Take science from the laboratory to the people

COURSE OUTCOME

SEMESTER I FCS1B01- FUNDAMENTALS OF NUTRITION

- Comprehend relationship between food, nutrition and health.
- Understand the functions of food, various food groups, balanced diet and principles of meal planning.
- Understand functions of various nutrients and their sources & gaining knowledge about clinical manifestations of excess/ deficiency of nutrients

SEMESTER III FCS2B02 - HUMAN DEVELOPMENT

- Describe how individuals develop and change from womb to tomb
- Gain knowledge to locate relevant examples of development in the cultural context, focusing on situations of childhood development in Indian culture
- Competent in using methods to study development in children, and explore family and community context of Indian children
- Gain knowledge to locate and use relevant cultural examples of development during adolescence and different phases of adulthood.
- Competent in using methods to study development and socio-cultural context of Indian adolescents and adults
- Understand classical and contemporary theoretical perspectives in Human Development.
- Apply theoretical understanding of core concepts in Human development to the everyday context.

SEMESTER III FCS3B03- RESEARCH METHODOLOGY AND BIOINFORMATICS

- Sharpen competence in research approaches.
- Acquire research acumen for any basic and advanced research.
- Comprehend the purpose and procedure of research study
- Introduce the commonly used computational, statistical and analytical approaches to post genomic analysis and make meaningful predictions
- Make competent users of the basic experimental skills of bioinformatics

SEMESTER IV FCS4B05-FOOD SCIENCE

- Understand the functions of food.
- Classify foods into various food groups.
- List the advantages and disadvantages of various methods of preparing food.
- Understand the concept of nutrient losses during cooking and enhancement of nutritional quality of foods.
- Understand the basic concepts of food science and its applications in processing of food.
- Understand basic principles involved in preservation and spoilage.
- Impart knowledge about the national and international food laws.
- Perform basic sensory and objective evaluation of food.

FCS4B06 (P) -FOOD SCIENCE PRACTICAL

- Develop understanding about the methods of preparing food.
- Explain the chemistry underlying the properties of various food components.
- Gain coherent and systematic knowledge of basic food chemistry.
- Capably and confidently demonstrate laboratory skills and competencies in nutritional biochemistry
- Demonstrate current knowledge of nutritional biochemistry that is required for advanced studies in human nutrition
- Nutritional biochemistry introduces the structural and functional characteristics of macronutrients (carbohydrates, lipids, proteins) and micronutrients (vitamins) in food consumed by humans.

SEMESTER V FCS5B05 –HUMAN PHYSIOLOGY AND MICROBIOLOGY

- Understand the physiology of all the systems of the human body.
- Develop a holistic understanding of mental, reproductive and social health.
- Develop the awareness of major communicable and noncommunicable diseases
- Understand role of micro-organisms in relation to processing and spoilage.
- Understand the basic microbial structure and function and study the comparative characteristics of prokaryotes and eukaryotes
- Understand the structural similarities and differences among various physiological groups of bacteria/archaea.

FCS5B08- FAMILY RESOURCE MANAGEMENT

- Comprehend the fundamentals of resource management in changing scenario.
- Inculcate skills in the identification, creation, selection and judicious use of available resources with emphasis on maximization and conservation.
- Understand the processes of management in a scientific manner in the use of resources
- Develop aptitude in identifying product/ space design problems at home and at work. Understand the human element and user perspective in the evolution of product/space design.
- Identify and describe the functions of Human Resource Development.
- Sensitized towards challenges of human resource managers
- Understand the fundamentals of house planning and space articulation.
- Exhibit efficient resource use potentials at home and work place.

FCS5B09-TEXTILE SCIENCE

- Describe textile fibres in terms of their production and properties
- Understand various production techniques and properties of yarns
- Understand various dyeing, printing and finishing techniques
- Develop basic knowledge of fashion and design
- Select suitable apparel in relation to fabric and design components for individuals
- Understand the terminology and the theory of dyeing
- Identify various types of dyes and auxiliaries for dyeing and printing of fabrics

- Describe methods and styles of printing fabrics
- Get experience in advance textile fabrication techniques in weaving, knitting and non-woven.

FCS5B10-DIET IN HEALTH

- Understand the relationship between food, nutrition and health.
- Comprehend the principles of planning nutritionally adequate meals
- Exercise food choices consonant with good health based on sound knowledge of principles of nutrition.
- Acquire knowledge about the nutritional needs and concerns of an individual through the life cycle.
- Understand nutrition considerations during special conditions for children and adults.

SEMESTER VI FCS6B17 (E3) -EXTENSION EDUCATION

- Develop understanding of concept of human communication and its components.
- Learn the concept of extension and it's inter - relationship with communication.
- Understand the various tools and techniques in the process of communication.
- Insight into the range and scope of different mass media.
- Learn about concept and scope of extension in National development.
- Comprehend about the concept and process of advocacy.
- Develop skills for using participatory approaches in programme management.
- Able to interpret and evaluate an advocacy campaign for social mobilization

FCS6B14-DIETETICS

- Understand principles of nutrition care.
- Modify the normal diet for therapeutic purposes.
- Understand the etiology, clinical features and dietary management in some common disorders / diseases.
- Understand significance of dietary counselling.
- Understand the multi-faceted nature of nutritional problems.
- Gain knowledge about techniques of assessment of nutritional status.
- Be aware of the various aspects of nutrition education and promotion.

- Be familiar with the policy and intervention programmes operating in India to overcome malnutrition.

FCS6B13 (P) - FABRIC CARE AND APPAREL DESIGNING PRACTICAL

- Recall the use of various pattern making tools and its terminology
- Apply the principles of pattern making for basic upper and lower slopes, sleeves, collars and dresses
- Develop the basic bodice and skirt slopes by applying the technique of draping
- Understand sourcing of fabric and procurement of other fashion material
- Identify various tools and equipments necessary for garment construction
- Construct various garments and its components
- Select appropriate apparel and accessories for various age groups, sex etc.

FCS6B09 (P) – TEXTILE SCIENCE PRACTICAL

- Apply the principles of pattern making for basic upper and lower slopes, sleeves, collars and dresses
- Identify fabrics and relate it to specific products keeping in mind fabric properties and characteristics
- Acquire skill necessary for selection and evaluation of clothing
- Recognize the skills used in pattern making and construction
- Understand the use of various materials and finishes to create aesthetically designed interiors.

FCS5B10 (P)-DIET IN HEALTH PRACTICAL

- Understand the principles of planning nutritionally adequate meals.
- Understand the concept of nutrient requirements and methods involved in assessment of nutrient needs.
- Exercise food choices consonant with good health based on sound knowledge of principles of nutrition.
- Acquire knowledge about the nutritional needs and concerns of an individual through the life cycle

M.Sc. HOME SCIENCE (Nutrition and Dietetics)

PROGRAMME SPECIFIC OUTCOMES

1. Understand the concepts of biochemistry, food chemistry and food microbiology
2. Comprehend methods of assessing human nutritional requirements, nutritional assessment and diet planning
3. Apply theoretical concepts in laboratory setting as per standard methods in the above mentioned areas
4. Understand the applications of nutritional sciences in clinical interventions, communication for health promotion, food service management, food science and processing
5. To equip students to plan diets for clinical and therapeutic conditions within a hospital, fitness center or gym setting.
6. To impart students a systematic approach to basic and applied aspects of food processing and technology.
7. To provide students with an opportunity to conduct independent research.

COURSE OUTCOMES SEMESTER I NDICOI -HUMAN PHYSIOLOGY

- To enable students to understand the metabolic changes in health and different diseases
- Gain knowledge about the relationship between nutrition and human system
- Explain physiological processes of all body systems in detail and on an appropriate level (knowledge, comprehension, application and analysis)
- Explain the role of body systems and mechanisms in maintaining homeostasis
- Explain how the activities of organs are integrated for maximum efficiency
- Introduces basic anatomical and physiological terms, tissues, the integumentary, skeletal, muscular and nervous systems including nervous histology, physiology, spinal cord and nerves

NDIC02-NUTRITION THROUGH LIFE CYCLE

- Understand the role of nutrition in different conditions
- Develop competency in planning diets to meet the nutritional requirements of different socioeconomic level
- Identify whether a group or an individual is suffering from malnutrition of any kind
- Assess nutritional status of individuals in various life-cycle stages and determine nutrition-related conditions and diseases by applying knowledge of metabolism and nutrient functions, food sources, and physiologic systems.

ND1C03 ADVANCED FOOD SCIENCE

- Explain the chemistry underlying the properties of various food components.
- Discuss the major chemical reactions that occur during food preparation and storage.
- Discuss the important pathogens and spoilage microorganisms in foods.
- Explain the effects of common food preparation methods and food storage conditions on survival and growth of microbial contaminants.
- Discuss basic principles of common food preservation methods.
- To understand the nutritive value of foods
- To understand the principles and chemistry of foods and apply the principles during preparation and cooking

ND1C04 MACRONUTRIENTS

- Give the chemistry of carbohydrates, fat and protein and how macronutrients are absorbed, stored and metabolized
- Discusses how macronutrients may impact health
- Obtain depth on the study of major nutrients
- Develop competence for undertaking nutritional investigations
- Understand the mechanisms of regulation of metabolic pathways in human body.
- Gain insight into interrelationships between various metabolic pathways.

ND1C05 -RESEARCH METHODS AND STATISTICS

- Understanding of the basic framework of research process.
- Developing an understanding of various research designs and techniques..
- Have the versatility to work effectively in a broad range of analytic, scientific, government, financial, health, technical and other positions.
- Have a broad background in Mathematics and Statistics, an appreciation of how its various sub-disciplines are related, the ability to use techniques from different areas, and an in-depth knowledge about topics chosen from those offered through the department.
- Be mathematically, statistically and numerically literate
- Understand the basic statistical procedures for analysis of research data.
- Understand organization and summarization of data.

- Understand the applications of statistical techniques for analysis and interpretation.
- Use of selective soft wares for qualitative and quantitative data analysis.

SEMESTER II ND2C06 -FUNCTIONAL FOODS AND NEUTRACEUTICALS

- Gain knowledge about functional foods and nutraceuticals
- Have thorough knowledge about the health effects
- Be familiar with applications in industry
- Be knowledgeable of the chemical, physical and functional properties of bioactive food constituents that provide health benefits.
- Be knowledgeable of the mechanisms for their biochemical and physiological activity.
- Have a working knowledge of the legal aspects of formulating, marketing and labeling nutraceuticals, functional foods and dietary supplements.
- The student will be able to recognize functional food products that are nutritionally logical, technically feasible, and that also are in compliance with FDA regulatory guidelines.

ND2C07-FOOD SERVICE MANAGEMENT

- Understand scientific principles and techniques of food service management
- Become a successful entrepreneur, professional and pursue higher education
- Formulate environment friendly innovative food products
- Acquire skills to establish a food service outlet
- Professionally competent to take up careers in academics, health care and service industry
- To understand the objectives of different types of food service institution
- Apply knowledge in space allocation of food plants
- Gain knowledge in menu planning, preparation of recipes in large scale and serving and in food costing

ND2C08-CLINICAL AND THERAPEUTIC NUTRITION

- Understand the causative factors and metabolic changes in various diseases/disorders.
- Understand the nutrition assessment, planning, implementation, monitoring and follow up in nutrition care process
- Acquire knowledge on the principles of diet therapy.
- Comprehend principles of dietary counselling

- Understand the rationale of prevention of various diseases/disorders.
- Understand dietary counseling for prevention / treatment of various diseases / disorders.
- Acquire knowledge on special therapeutic / health foods.

ND2C09 NUTRITIONAL MANAGEMENT IN LIFESTYLE DISEASES

- Conduct dietary counseling for prevention and treatment of various diseases / disorders
- Apply new technologies in nutrition care
- Understand the etiology, pathophysiological and metabolic anomalies of acute and chronic disorders / diseases.

COMPULSORY INTERNSHIP

- Acquire skills in diet therapy, food service management and nutrition/health education.
- .Apply principles of medical nutrition therapy and food service management in a hospital set up.

VISIT TO ANY FOOD SEVICE INSTITUTION

- Develop a knowledge base about the physical facilities needed for different types of food service units.
- Acquire skills to manage the financial aspects in food service units.
- Understand the practical aspects in maintenance of sanitation and safety in units. `
- Acquire skills to develop marketing strategies.
- Acquire skills to start their own food service unit as entrepreneurs
- Understand the practical operations of some food service units.
- Acquire knowledge about handling operations in different catering units.
- Acquire skills to develop suitable products for different situations.
- Acquire knowledge about some regional and international cuisines.
- Understand the procedures involved in training and sales promotion.

SEMESTER III ND3C11-COMMUNITY NUTRITION

- Understand the concept of Nutrition Security
- Gain an insight into various approaches and strategies for combating malnutrition

- Understand the various Government programs and policies aimed at improving the health and nutritional status of the population.
- Develop insight in planning, implementing, monitoring and evaluating nutrition programmes
- Assess nutritional status using different techniques.

ND3C10-VITAMINS AND MINERALS

- Understand the mechanisms of regulation of metabolic pathways in human body.
- Gain insight into interrelationships between various metabolic pathways. Understand the methodology for derivation of requirements for specific micronutrients
- To gain knowledge about different micro nutrient deficiencies
- Obtain depth on the study of major nutrients

ND3C12 PAEDIATRIC NUTRITION

- Realize the importance of nutritional care and nourishment of children
- Understand the specific needs of children and effects of various diseases on nutritional status and nutritional requirements
- Normal growth, development and behavior and their assessment, as well as approaches to abnormalities from infancy
- Health maintenance and preventive care for children, including age-related issues in nutrition, safety, vaccination and risk factor identification and modification

ND3E01-NUTRITIONAL COUNSELLING AND EDUCATION

- To understand the principles and methods of counselling
- To apply counselling methods to patients with different diseases
- To promote body's potential towards health, wellness and disease prevention
- To help individuals overcome their immediate problems and also to equip them to meet future problems

SEMESTER IV ND4E02-DIABETIC CARE AND MANAGEMENT

- Obtain in depth knowledge about diabetes mellitus
- To make the students aware of various complications during diabetes mellitus
- To gain knowledge about the management of diabetes mellitus through diet ,exercise and medication

- To improve standards and outcomes of diabetes care, efforts in the following areas appear crucial: diagnostic procedures and therapeutic management

- To evaluate the impact of a diabetes education program on the clinical outcomes in patients with diabetes mellitus

ND4C13 -METABOLIC AND BIOCHEMICAL CHANGES IN DISEASES

- To enable the students to understand the biochemical and physiological changes in diseases

- Understand the use of colorimetry in biochemical estimations.

- Develop skills in chromatography.

- Apprehend principles of buffers and gain competence in their preparation.

- Acquire skill in spectrophotometric method of quantitative estimations of biomolecules

- Attain competence in electrophoresis.

BSc MATHEMATICS

PROGRAMME OUTCOME

- Acquires the ability to understand and analyze the problems.
- Develops the skill to think critically on abstract concepts of Mathematics.
- Analyses the situation, make a mathematical problem and find its solution.
- Enhance logical reasoning skills, aptitude skills, communication skills, self-confidence for better employability.
- Provides a systematic understanding of the concepts and theories of mathematics and computing their application in the real world.
- Acquires the ability to critically interpret numerical and graphical data, to read and construct mathematical arguments and proofs.
- Formulates and develops mathematical arguments in a logical manner.

PROGRAMME SPECIFIC OUTCOME

- Develops problem solving skills.
- Understands the basic concepts of advanced mathematics.
- Creates mathematical models.

COURSE OUTCOME

FOUNDATIONS OF MATHEMATICS

- Acquires the ability to formulates and develops mathematical arguments in a logical manner.
- Students will be exposed to the basic concepts and techniques needed to continue with study of logic and set theory.
- Students will have a sound knowledge of set theoretic language and be able to use it to codify mathematical objects.
- Students will be able to calculate the limit of a function at a point numerically and algebraically using appropriate techniques.
- Students will be able to understand the consequences of the intermediate value theorem for continuous functions.

CALCULUS

- Students will be able to interpret the derivative of a function at a point as the slope of the tangent line and estimate its value from the graph of a function.

- Students will be able to show whether a function is differentiable at a point.
- Understands the consequences of Rolle's theorem and Mean value theorem for differentiable functions.
- Interpret the definite integral geometrically as the area under a curve.
- Construct a definite integral as the limit of Riemann sum.
- Interpret differentiation and anti-differentiation as inverse functions.
- Students will be able to evaluate a definite integral using an anti-derivative.
- Students will be able to develop an appropriate integral form to solve a specific applied problem in geometry and physics.

CALCULUS AND ANALYTIC GEOMETRY

- Acquire the knowledge of some simple techniques for testing the convergence of sequences and series, and confidence in applying them.
- Students will have an understanding of how elementary functions can be defined by power series, with an ability to deduce some of their easier properties.
- Acquire the knowledge on solve problems in analytic geometry and able to find appropriate solutions for given problems.
- Students will be able to differentiate exponential, logarithmic, and trigonometric and inverse trigonometric functions.

THEORY OF EQUATIONS, MATRICES AND VECTOR CALCULUS

- Students will be able to manipulate matrices and to do matrix algebra.
- Acquire the ability to solve system of linear equations.
- Acquire the ability to manipulate and compute determinants.
- Acquire the ability to compute Eigen values and Eigen vectors.
- Learn about fundamental theorem of algebra and different methods for solving algebraic equations.
- Acquire the ability to sketch quadratic surfaces.

VECTOR CALCULUS

- Students should be able to evaluate limits
- Students should be able to find partial derivatives, gradients, graphs and extreme of functions with multiple variables.

- Students should be able to evaluate double and triple integrals in Euclidean, cylindrical and spherical coordinate systems.
- Students should be able to evaluate the line integrals.
- Students should be able to evaluate integrals using Green's theorem and Stock's theorem.
- Students should be able to solve line and surface integrals.

ABSTRACT ALGEBRA

- Students is able to demonstrate knowledge and understanding of fundamental concepts including groups, subgroups, normal subgroups, homomorphisms and isomorphisms.
- The students will be able to apply algebraic ways of thinking.
- Learns about different algebraic structures Rings, fields and their properties.

REAL ANALYSIS

- Students will be able to describe fundamental properties of real numbers that lead to the formal development of real analysis.
- Students will be able to demonstrate an understanding of limits and how they are used in sequences, series, differentiation and integration.
- Learn Bolzano -Weirstrass theorem and acquire the ability to apply the theorem in a correct mathematical way.
- Students will have a detailed understanding of how the cauchy's criterion for the convergence of rear sequences and series follows from the completeness axioms for \mathbb{R} , and the ability to explain the steps in standard mathematical notation.
- Learn the basic topological properties of real numbers.
- Learn Bolzano -Weirstrass theorem and acquire the ability to apply the theorem in a correct mathematical way.

DIFFERENTIAL EQUATIONS

- Students will be able to solve first and second order differential equations and systems using an appropriate method.
- Students will be able to find Laplace transforms and apply these to solve differential equations.
- Students will be able to model real situations using differential equations.
- Students will be able to find Fourier series for periodic functions.

MATHEMATICS FOR NATURAL SCIENCE

→ Students will be able to organize and present statistical data and calculate common measures of central tendencies.

COMPLEX ANALYSIS

→ Gain the knowledge on complex numbers and their properties and proofs.

→ Understand and develop manipulation skills in the use of Roushe's theorem.

→ Understand and learn to use Argument principle.

→ Understands the principle of Analytic continuation and the concerned results.

NUMBER THEORY AND LINEAR ALGEBRA

→ Enable to prove results involving divisibility and greatest common divisors.

→ Enable to solve linear congruence and system of linear congruence.

→ Enable to find integral solutions to linear Diophantine equations.

→ Acquire the ability to apply Euler-Fermat's theorem to prove relations involving prime numbers.

→ Enable to apply Wilson's theorem.

→ Students will be able to work within Vector spaces and to distill Vector space properties.

→ Understand and learn to use linear transformations.

NUMERICAL METHODS

→ Demonstrate understanding and implementation of numerical solution algorithms applied to the different classes of problems such as finding roots of equations, solving system of algebraic equations, numerical differentiation of data and functions, numerical integration of data and functions and numerical solutions of ordinary differential equations.

GRAPH THEORY

→ The students will have a strong background in graph theory which has diverse applications in Computer science, Physics and Chemistry.

Program Specific Outcome

Complementary Physics

1. Generate new concepts with practical thinking and multidimensional applicability of Physics in other programmes.
2. Correlate concepts of Physics with other core programme
3. Understand the Physics of nature and natural phenomena.
4. Generate exhaustive interest in Physics.
5. Inculcate scientific temper.

Course outcome

Properties of Matter and Thermodynamics

1. Describe the basic concepts of elasticity and the behavior of elastic materials.
2. Describe fundamentals of surface tension and viscosity.
3. Explain the laws and applications of thermodynamics.

Mechanics, Relativity, Waves and Oscillations

1. Introduce the concept of Frames of reference.
2. Describe basics of Mechanics.
3. Enrich with different aspects of Special theory of relativity.
4. Describe different types of Oscillations and waves.
5. Explain the fundamentals of Quantum Mechanics.

Optics, Laser, Electronics and Communication

1. Explain theory and applications of interference, diffraction and polarization of light.
2. Describe basic components of electronics.
3. Open a door to the world of Laser.
4. Describe the concepts of different types of modulation used in communication technology.

Electricity, Magnetism and Nuclear Physics

1. Describe the concepts of electrostatics, current electricity and Magnetism
2. Explain basics of nuclear properties, nuclear fission and fusion.
3. Introduce the idea of cosmic rays, elementary particles and quarks.

Course outcome of the course 'Complementary Physics Practical'

1. Illustrate experiments to determine the elastic constants of materials.
2. Illustrate experiments to determine the optical constants of materials.
3. Illustrate experiments to determine electrical and magnetic constants of materials.
4. Illustrate experiments to study the behavior of electrical and electronic circuits.

DEPARTMENT OF STATISTICS

Complimentary Course to BSc Mathematics

COURSE OUTCOMES

ST1C01- BASIC STATISTICS AND PROBABILITY

- Students will have sound knowledge about Statistics and its relevance in real life.
- Able to understand basic statistics concepts
- Able to process the given data using various measures of central tendency and dispersion.
- Acquire the basic knowledge on fundamental probability concepts and relevant results.

ST2C02-PROBABILITY DISTRIBUTIONS

- → Able to understand well-known distributions, including Binomial, Geometrical, Negative Binomial, Normal and Exponential Distribution.
- → Students can understand the concepts expectation(single variable and bivariate data) and moments and apply them in situations such as analyzing the skewness and kurtosis of distributions.
- → Able to understand the central limit theorem and Chebyshev's inequality and can apply them in sampling distributions.

ST3C03-STATISTICAL INFERENCE

- Able to understand the concept of various parameter estimation methods, like method of moments, MLE, Confidence Intervals.
- Able to use estimation technique to determine point estimates, confidence intervals and sample size.
- Able to perform hypothesis testing
- Able to apply the appropriate chi-square test for independence and goodness of fit.

ST4C04-APPLIED STATISTICS

- Able to perform and analyze hypothesis tests of means, proportions and variance using both one- and two- sample data sets.
- Able to appreciate the diversity of the applications of hypothesis testing.
- Able to understand the terminologies Time series and index numbers and apply them in real life.
- Able to understand the basic concepts of Statistical Quality Control and prepare control charts.

**DEPARTMENT OF ZOOLOGY KAHM UNITY WOMEN'S COLLEGE, MANJERI COURSE OUTCOME BSc.
Zoology (Complimentary)**

SEMESTER 1

- To understand and admire the faunal diversity with a taxonomic perspective.
- To undertake a detailed study of the different organ system of a typical mammal.
- Type study of the Phylum Arthropoda.
- To create awareness and value the biodiversity of the Indian subcontinent.
- To know the various threats to wild life and biodiversity and adopt the diverse Conservation strategies.
- To appreciate and work towards sustainable development.
- Acquaintance with the specimens belonging to various Phyla and selected osteology histology items.

SEMESTER II

- To acquire an in depth knowledge on the morphology, life cycle and pathogenicity of some common pathogenic human parasites and devise appropriate control measures.
- Create awareness on the parasites of some domestic animals.
- Role of vectors in disease transmission.
- To understand the morphology, lifecycle, damage and control measures adopted for the key pests of some common agricultural crops.
- To realise the role of social insects in the eco system.
- To understand the modern aqua culture techniques employed in blue revolution.
- Acquaintance with some of the key pests of common agricultural crops, human pathogenic parasites, vectors, social insects and selected specimens of economic importance.

SEMESTER III

- To understand the structure of the limiting membrane of the cell and the different mechanisms of molecular transport to maintain homeostasis.
- To understand the process of digestion, absorption and assimilation of nutrients.
- To know the factors affecting diffusion, methods of gas transport in human respiration, role of haemoglobin and selected respiratory disorders with a briefing on artificial ventilation.
- To understand functions of vertebrate system in detailed manner along with the composition of human blood.

- The relevance of blood transfusion.
- Describe the structure and function of human heart.
- To understand the osmoregulatory mechanism in different organisms
- To familiarize the problem of kidney failure and importance of dialysis.
- To create interest in muscle functioning. Classification of types of muscles.
- To understand the mechanism involved in transmission of impulses through nerves.
- To introduce latest tools used in detecting nerve disorders.
- Analyse the relevance of toxicology, public health hazards by toxicants.
- To introduce a new vista on animal behaviour.
- Inculcate laboratory experience through blood group testing and slide preparations.

SEMESTER IV

- To understand the anomalies and disorders of chromosomes.
- Application of prenatal diagnosis for the detection of genetic abnormalities.
- To compare the different mechanism that exist in sex determination.
- To understand the intricacies of genes and their actions.
- To appreciate the variety of gene products - protein synthesis.
- To fascinate the scope of biotechnology in day today life.
- Create awareness on cancer.
- To make awareness on immunological system and the need of immunisation.
- To familiarise the advanced biological techniques.
- Improve the practical skill in displaying specimens.

B SC PSYCHOLOGY

PROGRAMME OUTCOME

- Demonstrate knowledge of psychological science to think critically and solve problems
- Conduct research and analyse data
- Demonstrate information literacy and communicate effectively
- Understand and implement ethical principles
- Apply psychological knowledge & skills

SPECIFIC PROGRAMME OUTCOMES

- Understand and apply basic research methods, including research design, data analysis, and interpretation.
- Understand and apply psychological principles to personal, social, and organizational issues.
- Weigh evidence, tolerate ambiguity, act ethically, and reflect other values underpinning psychology.
- Demonstrate information competence and the ability to use computers and other technology for many purposes.
- Communicate effectively in both oral and written formats.
- Recognize, understand, and respect the complexity of sociocultural and international diversity.
- Show insight into one's own and others' behaviour and mental processes and apply effective strategies for self-management and self-improvement.
- Emerge from the major with realistic ideas about how to use psychological knowledge, skills, and values in various occupations and in graduate or professional school.

COURSE OUTCOMES

PSY1B01- BASIC THEMES IN PSYCHOLOGY-1 PSYCHOLOGY:

- To generate interest in psychology
- To make familiar the basic concept of the field of psychology with an emphasize on the application of psychology in everyday life
- To understand the basics of various theories in psychology
- To provide basic knowledge about systems & processes likes cognition , memory ,motivation &emotion

PSY1C01- HUMAN PHYSIOLOGY:

- Have an enhanced knowledge and appreciation of mammalian physiology

- Understand the functions of important physiological systems including the cardio-respiratory, renal , reproductive and metabolic systems
- Understand how these separate systems interact to yield integrated physiological responses to challenges such as exercise , fasting and ascend to high attitude , and how they can sometimes failed
- Be able to perform, analyse and report on experiments and observation in physiology
- Be able to recognize and identify principle tissue structures

PSY1D01 -PSYCHOLOGICAL STATISTICS:

- Define and identify basic concepts in inferential and descriptive statistics
- Explain and apply the concepts and procedures of descriptive statistics
- Describe and utilize principles of probability and hypothesis testing
- Provide a discussion of the results and of the statistical analysis
- Provide a derivation for mathematical statistics problems
- Apply and interpret common inferential statistical tests and correlational methods

PSY3B01 PSYCHOLOGICAL MEASUREMENT AND TESTING

- To offer foundation on psychological measurement and testing
- To provide the basis of test construction and to build up skills on developing psychometric test
- To familiarize the uses of psychological tests
- To make aware of ethical principals in testing

EXPERIMENTAL PSYCHOLOGY PRACTICAL I

- To nurture the ability in students to understand himself/herself and other persons.
- To develop the skills of testing and scientific reporting in psychology.
- To familiarize the students to various psychological tests and assessment tools.
- To generate an interest in working of the community with a psychological outlook

PSY4B01 INDIVIDUAL DIFFERENCES

- To provide theoretical knowledge about systems and processes like intelligence and personality
- To understand the history of intelligence and Personality Testing
- To familiarize the student with various types of tests in Psychology

PSY5B01 ABNORMAL PSYCHOLOGY

- To enable students to understand the concepts of abnormal behavior
- To develop awareness about different types of anxiety and stress disorders
- To encourage the students to know different therapeutic techniques in management of anxiety and stress disorders.

PSY5B02 SOCIAL PSYCHOLOGY

- To enable the student to ,
- Understand and explain behavior in social settings
- Explain the psychological aspects of various social phenomena
- To create awareness about the management of human behaviour in group settings

PSY5B03 DEVELOPMENTAL PSYCHOLOGY

- To study human development in Psychological Perspectives
- To create awareness about major Psychological changes along with physical and cognitive development

PSY5B04 PSYCHOLOGICAL COUNSELLING

- To acquire theoretical knowledge in the areas of psychological counseling
- To understand the applications of counseling in various settings
- To practice counseling techniques through role plays

PSY5B05 HEALTH PSYCHOLOGY

- To understand the psychological, behavioral and cultural factors contributing to physical and mental health health
- To study the management of different illnesses

OPEN COURSE CHOICE I PSY5D01 PSYCHOLOGY AND PERSONAL GROWTH

- To understand the basic concepts in Psychology
- To acquaint the students with the aspects of personal growth

OPEN COURSE CHOICE II PSY5D02 LIFE SKILL APPLICATIONS

- To promote life skill education
- To develop abilities for adaptive and positive behavior To enhance self-confidence and self-esteem

PSY6B01 ABNORMAL PSYCHOLOGY-II

- To develop awareness about major psychological disorders
- To acquaint the students with causes of major psychological disorders

PSY6B02 APPLIED SOCIAL PSYCHOLOGY

- To familiarize the theoretical concept and research methods in applied psychology
- To give knowledge about application of social psychology in different areas like clinical, Educational, health and media

- To understand the major social issues in India.

PSY6B03 DEVELOPMENTAL PSYCHOLOGY –II

- To study emotional and social development of life span periods
- To study the vocational development and adjustments in adulthood
- To understand the period of late adulthood

PSY6B04 LIFE SKILL EDUCATION: APPLICATIONS AND TRAINING

- To promote life skill education
- To develop abilities for adaptive and positive behavior To enhance self-confidence and self-esteem

ELECTIVE COURSE: PSY6B05-01 ORGANIZATIONAL BEHAVIOUR

- To familiarize the concept of human Behaviour in Organizations
- To give knowledge about work-motivation, group, leadership and organizational culture

PSY6B05-02 PSYCHOLOGY OF CRIMINAL BEHAVIOR

- Mold youngsters with conceptual knowledge in Criminology
- To enable the students to build up on their analytical skills in Criminology

PSY6B05-03 POSITIVE PSYCHOLOGY

- To familiarize the important concepts in positive psychology
- To understand the importance of well being which allows people to understand what makes life worth living
- To give knowledge about the importance of factors contributing happiness

PSY6B05-04 EDUCATIONAL PSYCHOLOGY

- To promote an understanding of the application of psychological principles in the process of education.
- To familiarise the students with the characteristics of normal and exceptional children.
- To provide the ways and methods of teaching and classroom management.

DEPARTMENT OF PHYSICAL EDUCATION OPEN COURSE IN PHYSICAL EDUCATION

PE5D03 – PHYSICAL ACTIVITY HEALTH AND WELLNESS

COURSE OUTCOMES

This course aims at creating consciousness among the students towards health, fitness and wellness and in developing and maintaining a healthy life style.

- To introduce the fundamental concepts of physical education, health and fitness.
- To provide a general understanding on nutrition, first aid and stress management.
- To familiarize the students regarding yoga and other activities for developing fitness.
- To create awareness regarding hypo-kinetic diseases, and various measures of fitness and health assessment.



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