

PROGRAMME OUTCOMES

Programme outcomes of English:

- PO1** Students are expected to be able to use English in everyday situations, formal as well as informal.
- PO2** Students are expected to understand and explain a text's elements- for example, word choice, imagery, form, and connotations.
- PO3** Students are expected to be able to draw on relevant cultural and historical information to analyze and interpret a literary text.
- PO4** Students are expected to get acquainted with literary traditions including prominent authors, genres, literary movements, and styles.
- PO5** Students are expected to be able to analyze cultural diversity including issues of race, gender, class, sexuality and ethnicity through the study of literary texts.
- PO6** Students are expected to get acquainted with advanced skills like marketing, banking, public relations correspondence.

Program Outcomes of Marathi:

- PO1** Develop the writing, reading and speaking skills.
- PO2** Get acquainted with the social and cultural literature.
- PO3** Get acquainted with the literary types – story, novel, drama, biography, autobiography etc.
- PO4** Develop the vocabulary.
- PO5** Get acquainted with the creative writing.

Program Outcomes for Hindi:

- PO1-** Develop the writing, reading and speaking skills.
- PO2-** Get acquainted with literary types: Novel and Autobiography.
- PO3-** Develop the ability to understand and study the literary works from different approaches.
- PO4-** Get acquainted with the prescribed texts.

Programme outcomes of Economics:

- PO1** **Critical Thinking skills:** Students are expected to be able to apply economic analysis to everyday problems in real world situations, to understand current events and evaluate specific policy proposals and to evaluate the role played by assumptions in arguments that reach different conclusions to a specific economic or policy problem.
- PO2** **Quantitative Reasoning Skills:** Students are expected to understand how to use empirical evidence to evaluate the validity of an economic argument, use statistical methodology, interpret statistical results and conduct appropriate statistical analysis of data.
- PO3** **Problem-Solving Skills:** Students are expected to be able to solve problems that have clear solutions and to address problems that do not have clear answers and explain conditions under which these solutions may be correct.
- PO4** **Specialized Knowledge and Application of Skills:** Students are expected to develop critical and quantitative thinking skills specific to business and accounting.
- PO5** **Communication Skills** Students are expected to be able to communicate effectively in written, oral and graphical form about specific issues and to formulate well-organized written arguments that state assumptions and hypotheses supported by evidence.

Programme outcomes of Psychology:

- PO1 Knowledge base of psychology:** Students will be able to apply their knowledge of psychology to effectively solve problems and address issues related to human behaviour.
- PO2 Research methods in psychology:** Students will be able to conceptualize and critically evaluate psychological theories and research results.
- PO3 Critical-thinking skills in psychology:** Students will be able to apply creative and critical-thinking skills, including their knowledge of the scientific method, to theories, research results, problems and issues related to human behaviour.
- PO4 Application of psychology:** Students will be able to apply psychological principles, theories and research results to a wide range of personal, social, cultural and organizational situations and problems.
- PO5 Values in psychology:** Students will demonstrate an understanding of the APA code of ethics. They will understand the importance of adhering to ethical principles, respecting diversity and accepting their own personal and professional limitations. They will use their knowledge of ethics to analyze situations in a thoughtful, deliberate manner.
- PO6 Socio-cultural and international awareness:** Students will demonstrate an awareness of and respect for socio-cultural diversity on a local and global level.

Programme Outcome of Physical Education:

- PO1** Physical education will develop the whole and every student.
- PO2** The physical educators will serve as role models and demonstrate knowledge of health, physical education and Wellness.
- PO3** The physical education classes will provide a variety of Activities which will motivate the student and increase participation.
- PO3** The physical education program will allow the student to participate in developmentally appropriate activities.
- PO4** The physical education program will develop and reinforce cooperative behavior. The physical education program will teach the student to establish lifelong fitness goals.

Programme Outcomes of Political Science:

Students completing the requirements for a B.A. degree in Political Science will be able to:

- PO1** Write clearly and with purpose on issues of international and domestic politics and public policy
- PO2** Participate as a civically engaged member of society
- PO3** Analyze political and policy problems and formulate policy options; use electronic and traditional library resources to research key local, state, national and international policy issues and present results
- PO4** Demonstrate competency with basic tools underlying modern social science research including competency in statistics and qualitative analysis demonstrate critical thinking, including the ability to form an argument, detect fallacies, and marshal evidence, about key issues of public policy and politics; discuss the major theories and concepts of political science and its subfields
- PO5** Deliver thoughtful and well articulated presentations of research findings

Programme Outcomes of History:

- PO1 Historical and Social Scientific Knowledge:** Identify the key events which express/define change over time in a particular place or region, identify social factors in human change over time describe the influence of political ideologies, economic structures, social organization, cultural perceptions, and natural environments on historical events discuss the ways in which factors such as race, gender, class, ethnicity, region and religion influence historical narratives and social scientific explanations

- PO2 Historical and Social Scientific Thinking:** Explain how people have existed, acted and thought in particular historical periods, explain what influence the past has on the present, interpret the complexity and diversity of situations, events and societies compare eras and regions in order to define enduring issues recognize a range of viewpoints compare competing narratives and interpretations analyze cause and effect relationships and multiple causation
- PO3 Critical Skills:** Evaluate debates among historians and social scientists differentiate between facts and interpretations assess the credibility of different sources of information
- PO4 Develop research skills:** Formulate historical and social science questions obtain appropriate data from a variety of sources identify gaps in available records

Programme outcomes of Commerce:

- PO1 Critical Thinking & Problem Solving:** Students demonstrate the ability to identify a problem and the information needed to develop alternative solutions.
- PO2 Communication & Presentation Skills:** Students prepare business topics and presentation at the time of seminar. Students effectively utilize data in the written and oral presentation to communicate ideas.
- PO3 Business Knowledge:**

Accounting:

Students acquire and appropriately use information from financial accounting and cost accounting reports from internal and external business decision.

Management:

Students demonstrate skills reflecting appreciation for the roles and importance of people in organization including the roles that the manager plays in various environments of the work place.

Marketing:

Students conduct consumer segmentation, targeting and positioning to implement marketing mix decision and communicate how these decisions impact the firm.

Business Regulatory Framework:

Students integrate analysis of legal issues into business decision.

International Business:

Students acquire an awareness of global trends and their impact on the business.

- PO4 Ethics & Social Responsibility:** Students identified ethical issues and develop appropriate course of action for well-being of others in society. Students also evaluate the role of social responsibilities in business decision.

Programme Outcomes of Chemistry:

- PO1** Have firm foundations in the fundamentals and application of current chemical and scientific theories.
- PO2** Are able to design, carry out, record and analyze the results of chemical experiments.
- PO3** Are able to use modern instrumentation and classical techniques, to design experiments, and to properly record the results of their experiment.
- PO4** Are skilled in problems solving, critical thinking and analytical reasoning.
- PO5** Are able to identify and solve chemical problems and explore new areas of research.
- PO5** Are able to use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique, or an issue relating to chemistry.
- PO6** Knows the proper procedures and regulations for safe handling and use of chemicals and can follow the proper procedures and regulations for safe handling when using chemicals.

- PO7** Understand the ethical, historic, philosophical, and environmental dimensions of problems and issues facing chemists.
- PO8** Find gainful employment in industry or government, be accepted at graduate or professional schools, or find employment in school systems as instructors or administrators

Programme Outcomes of Physics:

- PO1** Students are able to study and design the experiments in physics.
- PO2** Skills of reasoning and problem solving developed among the students.
- PO3** Students are able to use modern technology related to physics.

Programme outcomes of Botany:

After completion of programme,

- PO1 students are able to Identification, classification of the plants
- PO2 students have opportunity to work Plant tissue culture companies
- PO3 Students are able for Nursery management
- PO4 able to apply the knowledge for plant breeding programme
- PO5 find the opportunity genetic engineering by applying the knowledge acquired during the completion of programme
- PO7 Have knowledge of exploration of fossil fuels
- PO8 Able to identify the medicinal plants
- PO9 Chemical aspects of plant life processes and chemical products of plants.
- PO10 Agronomy for crop and soil science

COURSE OUTCOMES

Course Outcomes of English:

Understanding Drama:

- CO1** Understand the form of drama with its origin, definitions and development of drama as a form of literature.
- CO2** Get acquainted with the worldwide drama, particularly Indian, English and American.
- CO3** Understand the various trends in drama.
- CO4** Understand the various themes dealt in the dramas of different periods, particularly prescribed dramas.
- CO5** Understand how to analyze given text.
- CO6** Improve their critical faculty, sharpen their perception and observation on the phenomena of literature.

Understanding Poetry:

- CO1** Understand the form of poetry with its origin, definitions and development of poetry as a form of literature.
- CO2** Get acquainted with the poetical creation from the different periods worldwide.
- CO3** Understand the various trends in poetry.
- CO4** Understand the various themes dealt in the poetry of different periods.
- CO5** Understand how to analyze given text.

CO6 Improve their critical faculty, sharpen their perception and observation on the phenomena of literature.

Understanding Novel:

CO1 Understand the form of novel with its origin, definitions and development of novel as a form of literature.

CO2 Get acquainted with the worldwide novel, particularly Indian and English. **CO3:** Understand the various trends in novel.

CO4 Understand the various themes dealt in the novels of different periods,

CO5 Understand how to analyze given text.

CO6 Improve their critical faculty, sharpen their perception and observation on the phenomena of literature.

The Structure And Function Of Modern English:

CO1 Understand the concepts of phonology.

CO2 Get acquainted with the terms, morphemes, allomorphs and morphology.

CO3 Understand the open class and closed class words.

CO4 Understand the phrase as a unit of language.

CO5 Understand the clause elements and structure of complex sentence.

CO6 Understand the different types of cohesive devices.

CO7 Get acquainted with different types of discourse and different domains of discourse.

Literary Criticism and Appreciation:

CO1 Understand the nature and function of the literature.

CO2 Understand the nature and function of the criticism.

CO3 Understand the different approaches to study the literary works.

CO4 Understand and use the Biographical and Psychological approach.

CO5 Understand the different figures of speech.

CO6 Understand the different trends in criticism.

CO7 Understand how to analyze a literary work.

Introduction To English Literature: The Short Story and The Novel (B.A. I Optional English)

CO1. Understand the short story as a minor form of literature.

CO2. Understand the novel as a major form of literature.

CO3. Get familiar with the prescribed short stories and novels.

CO4. Develop the literary appreciation competence among the students.

Modern English Literature: Poems, Drammas and Essays. (B.A. I Optional English)

CO1. Understand the Poem as a form of literature.

CO2. Understand the Drama as a major form of literature.

CO3. Understand the Essay as form of literature.

CO4. Get familiar with the prescribed Poems, dramas and essays.

CO5. Develop the literary appreciation competence among the students.

Indian English Literature (B.A. Ii Optional English)

CO1. Get familiar with the Indian English Literature..

CO2. Understand the different trends in Indian English Literature.

CO3. Get familiar with the prescribed literary works of Indian English Literature.

CO4. Develop the literary appreciation competence among the students.

Course Outcomes of Marathi:

Ancient Marathi Prose and Information of Story Collections:

CO1 Get acquainted with the Bakhar Literature.

CO2 Get acquainted with the social realism from stories.

CO3 Get acquainted with the characters in literary works.

CO4 Understand the language skills.

Ancient Marathi Poetry and Information of Poetry Collections:

CO1 Get acquainted with the saint literature from ancient literature.

CO2 Get acquainted with the saint Janabai's abhangs.

CO3 Understand the poetry from social and cultural approaches.

Poetics:

CO1 Get acquainted with the ancient poetics.

CO2 Get acquainted with the characteristics of poetry.

CO3 Get acquainted with the nature of literature.

CO4 Get acquainted with the poetic devices.

Linguistics and Marathi Language:

CO1 Get acquainted with the modern linguistics.

CO2 Get acquainted with relationship between linguistics and Marathi language.

CO3 Get acquainted with the consonants and vowels in Marathi.

CO4 Develop the interest in the study of Marathi language.

History of Marathi Literature:

CO1 Get acquainted with the traditions and history of Marathi literature.

CO2 Get acquainted with the literary types in the medieval period.

CO3 Get acquainted with the cultural background of literature in the medieval period.

Creativity and Application of Marathi language:

- CO1 Get acquainted with the formal and informal use of language.
- CO2 Develop the language skills.
- CO3 Develop the writing, reading and speaking skills.
- CO4 Get motivated to write creative and applied Marathi.

Study of Literary Trends: (Rural Literature, Dalit Literature)

- CO1 Get acquainted with the literary trends in Marathi literature.
- CO2 Get acquainted with the nature, characteristics and development of Rural Marathi literature.
- CO3 Get acquainted with the nature, characteristics and development of Dalit Marathi literature.
- CO4 Get acquainted with the prescribed texts.

Course Outcomes for Hindi:**Sahityashastra (Literature)**

- CO1- Develop the ability to appreciate the literary works.
- CO2- Get acquainted with the characteristics of the poetry.
- CO3- Get acquainted with the criticism of the literary works.

History of Hindi Literature:

- CO1- Get acquainted with the history of Hindi Literature.
- CO2- Get acquainted with the trends in Hindi Literature.
- CO3- Get acquainted with the types of literature.

Applied Hindi:

- CO1- Get acquainted with the applied hindi.
- CO2- Get acquainted with the formal vocabulary of hindi.
- CO3- Get acquainted with the reference material to study Hindi Language.

Linguistics and Hindi Language:

- CO1- Get acquainted with the nature and characteristics of language.
- CO2- Get acquainted with the nature of linguistics.
- CO3- Get acquainted with the origin and development of Hindi language.

Novel : (Ana Is Desh by Krushna Agnihotri)

- CO1- Get acquainted with the prescribed text.
- CO2- Get acquainted with the development of the novel.
- CO3- Get acquainted with the nature and characteristics of novel

Course Outcomes of Economics:

Indian Economy

Upon successful completion of the course a student will be able to:

- CO1** Understand type of Indian Economy.
- CO2** Understand the basic factory of Indian Economy
- CO3** Understand the Indian Economical Problem
- CO4** Understand the Indian Fiscal Policy
- CO5** Understand the Indian Monetary Policy

Macro Economics

Upon successful completion of the course a student will be able to:

- CO1** Understand why household, business, government and global behavior determine the aggregate demand for goods and services
- CO2** Understand why the behavior of businesses and the rest of the world determine the aggregate supply of goods and services
- CO3** Understand how aggregate demand and aggregate supply interact to drive a free market economy
- CO4** Understand the implications of interference in a market economy, including government policy
- CO5** Understand the basics of national income accounting
- CO6** Understand the causes and consequences of business cycles
- CO7** Understand the roles of fiscal and monetary policy in fighting recessions and inflation
- CO8** Understand factors that contribute to and detract from long-term economic growth

Micro Economics

Upon successful completion of the course a student will be able to:

- CO1** Understand how households (demand) and businesses (supply) interact in various market structures to determine price and quantity of a good produced.
- CO2** Understand the links between household behavior and the economic models of demand.
- CO3** Represent demand, in graphical form, including the downward slope of the demand curve and what shifts the demand curve.
- CO4** Understand the links between production costs and the economic models of supply.
- CO5** Represent supply, in graphical form, including the upward slope of the supply curve and what shifts the supply curve.
- CO6** Understand the efficiency and equity implications of market interference, including government policy.
- CO7** Understand how different degrees of competition in a market affect pricing and output.
- CO8** Apply economic reasoning to individual and firm behavior.
- CO9** Understand the meaning of marginal revenue and marginal cost and their relevance for firm profitability.
- CO10** Understand the major characteristics of different market structures and the implications for the behavior of the firm.
- CO11** Make decisions using marginal analysis and opportunity costs.

- CO12** Use supply and demand to determine changes in market equilibrium (price and output), changes in welfare, and analyze the impact of government policies.
- CO13** Understand the relationship between marginal utility and price in equilibrium.
- CO14** Explain why firms exist.
- CO15** Develop cost functions from production functions.
- CO16** Be able to determine the profit maximizing price and output for a firm operating in a competitive environment.
- CO17** Determine profit maximizing price and output for a monopoly firm.
- CO18** Evaluate various policies for regulating monopolies.
- CO19** Be able to determine profit maximizing price and output for a firm in a quasi-competitive market (oligopoly or monopolistic competition).
- CO20** Develop and evaluate the impact of government regulations.
- CO21** Explain relationship between wages and productivity and apply the model to real-world businesses.
- CO22** Be able to apply the concepts of supply and demand to markets with external costs and benefits (understand market failure, implications for regulation, optimal pollution level).
- CO23** Understand the nature and consequences of general equilibrium (Pareto optimality)

Research Methodology in Economics

Upon successful completion of the course a student will be able to:

- CO1** Define and operationalize a variable.
- CO2** Understand the relationship between a concept and variable.
- CO3** Understand the difference between causation and correlation.
- CO4** Understand the difference between a population and sample.
- CO5** Understand the difference between random assignment and random sampling.
- CO6** Understand validity and sampling concerns in research design.
- CO7** Distinguish between primary and secondary data and understand the advantages and disadvantages of each.
- CO8** Understand the alternative levels of measurement available for data collection and select the appropriate level.
- CO9** Prepare data for analysis.
- CO10** Know how to report research results.
- CO11** Critically evaluate research proposed or performed by others.
- CO12** Define an economic problem
- CO13** Review some relevant literature related to the problem
- CO14** Use economic data and analysis to describe or explain the problem
- CO15** Present a conclusion or resolution

History of Economic Thought

Upon successful completion of the course a student will be able to:

- CO1** Understand the evolution of modern economic theories.
- CO2** Understand the sources of controversies in modern economics.
- CO3** Understand classical and modern versions of Marxism

CO4 Understand the nature of an economic system; varieties of economic systems.

CO5 Appreciate well-developed economic theories and distinguish them from inconsistent ones.

Economic Development

Upon successful completion of the course a student will be able to:

CO1 Understand the causes of underdevelopment in the Third World.

CO2 Understand the role of agriculture, industry, and trade in the development process of the less developed countries.

CO3 Understand the extent to which economic theories may be helpful in the design of development policies in the less developed countries.

International Economics

Upon successful completion of the course a student will be able to:

CO1 Understand the various reasons why countries engage in international trade, including the direction and volume of trade between nations.

CO2 Use models of trade to demonstrate the gains from exchange as well as the effects on income distribution within countries due to trade with foreign nations.

CO3 Understand how international factor mobility affects an economy.

CO4 Analyze current issues and policies using the concepts of international trade theory.

CO5 Understand the role key international institutions play in affecting trade flows across the world.

CO6 Understand the accounting methods and concepts used by countries to keep track of international transactions.

CO7 Understand the role of exchange rates and how they are determined in the short-run and long-run.

CO8 Analyze how various policies, both domestic and foreign, may affect exchange rates and economic welfare.

CO9 Understand the functioning of various exchange rate regimes, (such as gold standards and floating exchange rate mechanisms).

CO10 Understand the role played by various international institutions with regards to exchange rate values and the flow on international assets.

Course Outcomes of Physical Education:

Introduction of Physical Education and Sports

CO1 To make the student aware of the true meaning and definition of Physical Education and Sports

CO2 To acquaint the student regarding the aim and objective of physical education

CO3 To enable the student to understand the modern concept / trend of physical education

CO4 To help the student familiarize with the scope of physical education

CO5 To analyze the nature of physical education as to whether it is an art or a science

CO6 Student will be able to understand Physical fitness, concept of Balance Diet. And Bad Habits with Special reference to Physical Fitnesses Alcohol and Tobacco

CO6 To understand Kinds of body Posture, Characteristics of good body posture And Physical Differences between two sexes with reference to Physical performance-strength, speed, endurance, Agility, Flexibility etc.

History of Physical Education

- CO1** To understand Physical Education Periods Advent of Aryans 2000 B.C. (Early Period), Epic Age 1500 B.C. to 500 B.C. and Buddhist Period in Ancient India With reference to the following activities: Archery, Wrestling, Stick-fighting, Yogic exercises
- CO2** Student will be able to understand Development of Physical Education in India: Mongal Period, British Period, Post Independence Period
- CO3** Student will be able to understand Development of Physical Education in Maharashtra: Maratha Period: 1600 A. D. onwards, British Period: 1800 A. D. onwards, Period of Nationalism: 1920 onwards, Modern Period: 1937 onwards.
- CO4** To understand the History of Ancient Olympic Games and Legendary origin, Significance of the games, rules of the games and eligibility, conduct of events, awards, decline of ancient Olympics
- CO5** To know the History of Modern Olympic Games and Revival of the Olympic Games, controlling body, rules of eligibility for competition, organization and conduct of the games, venues, events, opening ceremony, awards, closing of ceremony, Olympic flag, Olympic torch
- CO6** To know the History of Asian Games and controlling body, rules of eligibility for competition, organization and conduct of the games, venues, events, etc.

Organization and Administration in Physical Education and Sports

- CO1** To understand Organization and Administration in Physical Education and Sports, Meaning, Definitions, Concepts and its need in Physical Education and Sports and Principles of Organization and Administration in Physical Education and Sports
- CO2** To understand the University various competitions of Inter-collegiate Sports of Shivaji University, Inter-Zonal Sports of Shivaji University, Inter-University Sports and All India Inter-University Sports With special reference to organize body, Finance and various Committees and their functions
- CO3** Student will be able to understand Different Institutions for training in Physical Education in India of NSNIS, LNIPE (Deemed University), Sports Authority of India with Inceptions and Functions
- CO4** To understand the what type of award get in India such like National Level Award in National Level Bharatratna Award, Arjun Awards, Dronacharya Awards, Rajiv Gandhi Khel Ratna Awards with eligibility and nature

Health Education

- CO1** To get a knowledge of Health Education of Meaning, definitions of Health Education and Nature and scope of Health Education
- CO2** To get knowledge of Personal Health of Factor's of Personal Health: Physical, Mental, And Social and Factors influencing on Health: Heredity, environment, Habits, Exercise
- CO3** To get knowledge of Social Health of Problems and futurity of social Health, Role of Government in social Health and Communicable diseases Causes and Prevention (Malaria, Dengu, ChikanGunia, SawinFlue.)and HIV / AIDS - causes, symptoms and prevention
- CO4** To make the student aware of the Health of the Community of Health problems in family, Community, School and Colleges and Role of Government in community health
- CO5** To enable the student to understand Different Health Programmers: Importance of exercises in health and fitness and Drugs, Alcohol and Tobacco-Adverse effect on sports performance
- CO6** To understand about World Health Organization (WHO) its Aims and Objectives, program and projects and World Health Organization in India

Dietetics and Hygiene

- CO1** To get knowledge about Dietetics and Hygiene of Food sources and their effect: Natural food, impure food, processed food, Stimulants and Athlete Diet Need and importance
- CO2** Student knowledge about Diet components: Carbohydrates, Proteins, Fats, vitamins, Mineral Fibers and water with need and importance
- CO3** To understand Balance Diet and Malnutrition Meaning, Definition and sources
- CO4** To make the student aware of Underweight: causes, sign and symptoms. And Obesity: causes, types, Signs and symptoms

Recreation In Physical Education

- CO1** To enable the student to understand the modern concept of Rhythm: Meaning .Concept, Definitions and Need and Importance of Rhythmic exercise, Classification of Rhythmic exercise Traditional and Modern
- CO2** To enable the student to understand the modern concept of Recreation: Meaning Concept, Definitions and Need and Importance of Recreation
- CO3** To enable the student to understand the modern concept / trend of recreation: Haiking, Treaking, Trips/Picnic, Sports Camps and Competitions
- CO4** To understand about Recreational Scheduling Programmers provides for primary and secondary Schools, Colleges, Universities & Industrial Workers
- CO5** To get knowledge of Recreational Games and Facilities and Importance of recreational Game, Recreational Facilities in Sports

Anatomy and Physiology

- CO1** To acquaint the student regarding the brief Introduction of Anatomy, Physiology and Physiology of exercises Meaning, definition and importance
- CO2** To get knowledge of Circulatory System: Blood - Its constituents and functions, Heart - its structure and function and Blood pressure, Pulse, Blood groups, Oxygen debt.
- CO3** To get knowledge of Digestive System: Organ of digestive system - Mouth, teeth, salivary glands, pharynx, oesophages, stomach, small and large intestine, pancreas, liver, structure and function - in brief and Excretory System: Kidney and skin - it's Structure and function
- CO4** To get knowledge of Nervous System: Structure of brain and spinal cord, Reflex action
- CO5** To get knowledge of cell and its parts
- CO6** To get knowledge of Skeletal System: Structure and classification, Names of bones of the body and Functions of skeletal system
- CO7** To get knowledge of Muscular System: Structure, classification of muscular system, Name various muscles of the body and Effect of exercise on Muscular system
- CO8** To get knowledge of Respiratory System: The nose, pharynx, larynx, trachea, bronchioles, lungs structure and functions and knows as about Vital capacity, Second wind And Effect of exercise on respiratory system

Yoga

- CO1** To make the student aware of the true Aim, Objectives and Scope of Yoga in Human Life
- CO2** To understand Yoga and Physical Health: Promotives, Preventive and Curative aspects Of Physical Health tackled through Yogic practices
- CO3** To understand Relationship of Yoga and Mental Health: Nature of problems in mental health, Promotive, Preventive and Curative aspects of mental health through Yogic practices

- CO4** To understand Relationship of Yoga with Emotional Health
- CO5** To understand Effect of yogic exercises and Yoga on Various system of the Human Body
- CO6** To get knowledge about Astang Yoga of patanjali, Asana, Pranyam, Pratyahar, Dharana, Dhyan, Samadhi
- CO7** To understand Benefits of Yoga in Modern life
- CO8** To get knowledge about Yoga and Sports: Psychophysical basis of promoting sports career, Contribution of yogic practices for the development of Sports performances

Physical Education and Sports Practical

- CO1** Student gets knowledge about All Athletics events, Knowledge of Rules & Regulations, how to mark running track, track and field athletics technical officials, Fundamental skills Technique and Technique & Modern Style
- CO2** To get knowledge about Indian Game: Kabaddi and Kho kho it's Knowledge of Rules & Regulations, ground measurement, Ground Marking, technical officials, Fundamental skills Technique and Performance
- CO3** To get knowledge about Ball Game: Volley ball, Hand Ball, Basket Ball, Table Tennis's, Foot Ball and Cricket and its Knowledge of Rules & Regulations, ground measurement, Ground Marking, technical officials, Fundamental skills Technique and Performance
- CO4** To get knowledge about Badmintonits Knowledge of Rules & Regulations, ground measurement, Ground Marking, technical officials, Fundamental skills Technique and Performance
- CO5** To get knowledge about Wrestling and Weight Lifting its Different Styles, Modern Technique and Performance, Rules & Regulations, equipments
- CO6** To get knowledge about Fencing and Judo its Knowledge of Rules & Regulations, technical officials, Fundamental skills Technique and Performance
- CO7** To get knowledge about Gymnastics: Front Role, Back Role, Cartwheel, Dive and Role, Hand Stand and its Knowledge of Rules & Regulations, technical officials, Fundamental skills Technique and Performance
- CO8** To get knowledge about Suryanamaskar, Pranayam: AnulomVilom, Bhastrika, Bhrumri, Shitkari, Shitali and yogasans: Padmasan, PadHastasan, Veerasan, Shawasan, Shalbhasan, Navkasan, Tadasan, Suptavajrasan, Matsyasana, AkarnaDhanurasana, Ardhamachhindrasana, Buddha Padmasana and its Performance
- CO9** To get knowledge about First Aid : Meaning, Objectives, Important rules, Material in the First Aid Box and identify Fracture - Types, Signs and Symptoms, Bleeding - Types, Signs and Symptoms - Use of Sling and Splint, Artificial Respiration - Meaning and Method of Artificial respiration, Bandage, Meaning, Types, Way of applying sling, simple dressing

Course Outcomes of Psychology:

Shivaji University offers Psychology course for B. A. degree. Following special subjects (with their outcomes) includes under this course.

Child Psychology:

- CO1** To understand the beginning process of life
- CO2** To know the Prenatal, Infancy and childhood developmental processes

Social Psychology:

- CO1** To understand the social process
- CO2** To understand the social perception
- CO3** To acquaint the knowledge of Interpersonal Attraction
- CO4** To understand the Processes of Aggression

Developmental Psychology:

CO1 To understand the developmental processes of Adolescence, Early Adulthood Middle Adulthood and Late Adulthood

Applied Psychology:

- CO2** To understand the applications of the psychology
- CO3** To know the interpersonal communication process
- CO4** To understand the stress and its effect
- CO5** To know the relationship between psychology and physical health

Cognitive Psychology:

- CO1** To makes the students familiar with the field of cognition in general
- CO2** To make the students understand the process of attention, perception, reaction time and learning
- CO3** To acquaint the students with memory

Applied Social Psychology:

- CO1** To makes the students familiar with the field of Applied social psychology
- CO2** To acquaint students with the applications of social psychology in the field of media, diversity and personal relationships

Psychopathology:

- CO1** To make the students familiar with field of Psychopathology
- CO2** To make the students understand various models of abnormality
- CO3** To make the students know the nature, types and perspectives of anxiety and disorders of childhood and adolescence

Educational Psychology:

- CO1** To makes the students familiar with the field of Educational Psychology
- CO2** To acquaint students with moral development of children, teaching learning processes and motivation for learning

Practical (Experiments):

- CO1** To make the students familiar with Psychological experiments
- CO2** To impart the knowledge and skills for conducting experiments and writing their reports
- CO3** To make the students familiar with some statistical methods

Psychological Testing:

- CO1** To make the students familiar with the field of psychological testing in general
- CO2** To acquaint the students with the nature and uses of psychological test

CO3 To make the students to understand the nature and other description of intelligence test, ability tests and personality tests

Counselling Psychology:

CO1 To makes the students familiar with the field of Counselling Psychology

CO2 To acquaint students with the applications of Counselling Psychology in the fields of career, marriage, couple and family counselling

Personal Psychology:

CO1 To makes the students familiar with the field of Personal Psychology

CO2 To acquaint students with study of communicating effectively valuing diversity and goal achievement

Psychology of Organizational Behavior:

CO1 To makes the students familiar with the field of Organizational Behavior

CO2 To acquaint students with study of personality, values, group processes and changes in organization settings

Practical (Psychological tests):

CO1 To make the students familiar with Psychological tests

CO2 To impart the knowledge and skills for administering psychological tests and writing their reports

CO3 To make the students familiar with some statistical methods

Course Outcomes of Geography:

Physical Geography of India

CO1 Understanding physical setup of the country

CO2 Student will be able to understand climate of India

Economic Geography

CO1 Be able to understand basic concept in economic geography

CO2 Get acquainted with the relationship of human activities and resources

CO3 Understand the economic situation at global level and apply this knowledge at local level

CO4 Get acquainted with knowledge of regional resources

Economic Geography of India

CO1 Be able to understand economic set up of the country

CO2 Learn about various agriculture products of India

CO3 Learn about transportation facilities of India. e.g. Roadways, waterways and Airwalys.

Urban Geography

- CO1 Learn the basic concepts in urban Geography
- CO2 Understand the various types of urban settlements and impact of site and situation on settlements.

Political Geography

- CO1 Understand how and why states are organized into regional grouping both formally and informally.
- CO2 Learn the relation between government and its people.
- CO3 Understand the influence of political power on geographical space.

Map work and Map Reading

- CO1 Learn the importance of map making and map reading
- CO2 Understand the concept of scale and map projections.
- CO3 Learn the analysis of land forms.

Advanced Techniques and Field work.

- CO1 Be able to understand the importance of field work and advanced techniques in Geography
- CO2 Learn the use of computer analysis in geographical data.

Course Outcome of Commerce:

After successful completion of the course a students will be able to:

Business & Industrial Management:-

- CO-1 To familiarize the students with the basic concepts and principles of management
- CO-2 To make students familiar with the modern management being used by the corporate world
- CO-3 To provide basic knowledge of 4 P's Marketing, Retailing and tools and techniques of marketing
- CO-4 To makes students familiar with the subject of industrial management and the importance of industrial management

Advanced Accounting & Cost Accounting:-

- CO-1 To impart basic accounting knowledge as applicable to business
- CO-2 To develop awareness of students and train them in corporate accounting in the practical aspects and computerized accounting
- CO-3 To expose students to advanced accounting issues and practice, to gain working knowledge of auditing procedure, techniques and skills
- CO-4 To gain the understanding of cost accounting concepts and techniques

Fundamentals of Entrepreneurship:-

- CO-1 To acquaint students with the concept of rural and women entrepreneurship
- CO-2 To impart conceptual knowledge of project management
- CO-3 To encourage the students through successful stories entrepreneurs

Course Outcomes of Chemistry:

Physical Chemistry

At the end of the course, the students

- CO1 Will be familiar to nature of matter and light
- CO2 Will know the basics of photochemistry and spectroscopy
- CO3 Will have the basic knowledge of solutions, ideal and non-ideal solutions.
- CO4 Will be familiar with fluorescence and phosphorescence
- CO5 Will know the E.M.F series and types of electrode.
- CO6 Will have the knowledge of reversible and irreversible cell
- CO7 Will be familiar with different thermodynamic parameters
- CO8 will be familiar to phase rule and phase diagram
- CO9 Will have the knowledge of thermodynamics
- CO10 will have the basic knowledge of solid state and laws of crystallography
- CO11 Will know the methods used to measure and detect nuclear radiations
- CO12 Will know the opposing, side and consecutive reaction
- CO13 Will be familiar with adsorption and mechanism of adsorption

Inorganic Chemistry

At the end of the course, the students

- CO1 Will be familiar to hard and soft acids and bases
- CO2 Will know the basics of Molecular orbital theory
- CO3 Will be familiar with Geometrical and Optical isomerism in inorganic complexes
- CO4 Will be familiar with Metals, Semiconductors and superconductors
- CO5 Will know basic and different types of inorganic polymer
- CO6 Will be familiar with applications of superconductor
- CO7 Will be familiar with different organometallic compounds
- CO8 Will be familiar to different inorganic reaction mechanism
- CO9 Will have the knowledge of thermodynamics of metal complexes
- CO10 Will have the basic knowledge of nuclear chemistry
- CO11 Will know about manufacture of iron and steel in industry
- CO12 Will have knowledge about bio-inorganic chemistry
- CO13 Will be familiar with transuranic elements

Organic Chemistry

At the end of the course, the students

- CO1 Will be familiar with the nature of electromagnetic radiation
- CO2 Will know the basics of ultra violet and mass spectroscopy
- CO3 Will have the knowledge to calculate the $\log K$ values for dienes and enone system

- CO4 Will be familiar with principles of Infrared spectroscopy
- CO5 Will know different frequency of various functional groups
- CO6 Will know the basics of Nuclear magnetic resonance spectroscopy
- CO7 Will be able to find out the structure of unknown compound from given data
- CO8 Will be familiar to different organic reaction mechanism
- CO9 Will have the knowledge about different organic reagents
- CO10 Will have the basic knowledge of addition reaction
- CO11 Will know about synthesis of natural products
- CO12 Will have knowledge action of drug
- CO13 Will be familiar with synthesis and uses of some drugs

Industrial Chemistry

At the end of the course, the students

- CO1 will be familiar with the different industrial process
- CO2 Will know the basics corrosion and passivity
- CO3 Will have the knowledge of manufacturing process of different chemicals widely used in chemical industries
- CO4 Will be familiar with different factors causing corrosion
- CO5 Will know different methods used for protection of metal from corrosion
- CO6 Will know the manufacturing of Sugar in industry
- CO7 Will have the knowledge of soap and detergents cleansing action
- CO8 will be familiar with Nanomaterials and its characterization techniques

Analytical Chemistry

At the end of the course, the students

- CO1 will be familiar with the basics of titrimetric analysis
- CO2 Will have the knowledge of different potentiometric titration
- CO3 Will know the basics of colorimetry and spectrophotometry
- CO4 Will be familiar with applications of flame photometry
- CO5 Will know different methods used for protection of metal from corrosion
- CO6 Will know the basic of chromatography
- CO7 Will have the knowledge of instruments used for chemical analysis
- CO8 will be familiar with basics of different analysis techniques

Laboratory Practical

After the successful completion of course, the student will be able to:

- CO1 Apply practical knowledge to industrial application and for developing methods
- CO2 Know the kinetics of various reaction
- CO3 Use the potentiometer and apply it for various analytical applications

CO4 Use the Conductometer for different titrations

CO5 Handle the Refractometer, Colorimeter and pH meter and use these instruments for different analytical applications

CO6 Know the application of gravimetric estimation

CO7 Know the preparation of different coordination compounds

CO8 Able to carry out analysis of different commercial samples like talcum powder, milk etc

CO9 Carry out the Organic qualitative analysis (binary mixture)

CO10 To separate solid-solid, solid-liquid and liquid-liquid mixture by chemical method

CO11 Estimate the amount of analyte by chemical method

CO12 Prepare different Organic compound

CO13 Identify the protocol for purity analysis

CO14 Learning to work in group and intimate standard procedure for practical work

Organic Chemistry

At the end of the course, the students

CO1 will have knowledge about conformational isomer

CO2 Will know the mechanism of different name reaction

CO3 Will have the knowledge to calculate the ΔG values for dienes and enone system

CO4 Will be familiar with reaction of different heterocyclic compounds

CO5 Will know importance of green chemistry

Analytical Chemistry

At the end of the course, the students

CO1 will have knowledge about basic concepts in analytical chemistry

CO2 Will know the mechanism of gravimetric analysis

CO3 Will have the knowledge different fertilizers and its analysis

CO4 Will be familiar with different conduct metric titrations

CO5 Will know basics of inorganic qualitative analysis

Physical Chemistry

At the end of the course, the students

CO1 will have knowledge about basic concept in electrochemistry

CO2 Will know about the thermodynamics third law

CO3 Will have the knowledge of third order reaction

CO4 Will be familiar with different physical properties of liquid

Inorganic Chemistry

At the end of the course, the students

CO1 will have knowledge about different properties of transition elements

- CO2 Will know about the basics of coordination chemistry
- CO3 Will have the knowledge of crystal field theory
- CO4 Will be familiar with chelate and complex formation
- CO5 Will have knowledge about different catalytic reaction

Laboratory Practical

After the successful completion of course, the student will able to:

- CO1 Apply practical knowledge to industrial application and for developing methods
- CO2 Know the kinetics of various reaction
- CO3 Use the Conductometer for different titrations
- CO5 Handle the Refract meter, Conductometer & viscometer meter & use these instruments for different analytical applications
- CO6 Know the application of gravimetric estimation
- CO7 Know the preparation of different coordination compounds
- CO8 Able to carry out analysis of drug like vitamin c
- CO9 Carry out the Organic qualitative analysis
- CO10 Prepare different Organic compound
- CO11 Identify the protocol for purity analysis
- CO12 Learning to work in group and intimate standard procedure for practical work

Course outcomes of Physics:

Mechanics and Properties of Matter

- CO1 Students understand properties of matter and gain basic knowledge about mechanics

Oscillations Waves and Optics

- CO1 Properties and nature of light cleared. Students made familiar to knowledge of optical instruments.

K T of gases Heat and Thermodynamics

- CO1 Students are exposed to knowledge of different thermodynamic parameters.

Electricity, Magnetism and Basic Electronics

- CO1 Students will have knowledge of laws of electricity and magnetism.
- CO2 Will study basic electronic circuits with the applications.

Practical Annual

At the end of course students can

- CO1 Easily handle instruments like spectrometer.
- CO2 Will know use of instruments in day to day life.

CO3 Can study optical experiments easily.

General Physics Sound and Acoustics

CO1 Student know almost all properties of matter. Exposed to ultrasonics and building acoustics.

Electronics and Computer Programing

CO1 Students able to write computer programmes

CO2 Will design simple electronic circuits

Optics and LASERS

CO1 Students gain theoretical knowledge about defects in optical instruments and how to reduce it.

Relativity and Modern Physics

CO1 Able to know how speed of object affects its property

CO2 All laws of mechanics in light of relativity are studied.

Practical: Annual

At the end of course students are able

CO1 To develop skills of handling the different instruments

CO2 Build and test basic electronic circuits

CO3 To apply practical knowledge to business purpose

Mathematical and Statistical Physics

CO1 Study related to co- ordinate system done by students.

CO2 Students are able to study the basic concepts of radiation and its experimental study

CO3 Basic concepts of Statistical physics and quantum physics studied by students so that they can solve problems in related topics.

Quantum Mechanics

CO1 Basic concepts of Matter Waves are made clear

CO2 Nature of matter particle with respect to Energy and Momentum understood by students

Classical Mechanics

CO1 Various techniques of Calculus of variation and their applications made clear

CO2 Concepts regarding different forces understood by students

Atomic Physics: Astronomy and Astrophysics

- CO1 Students get knowledge of origin of entire Universe
- CO2 Space Research attitude developed among the students

Nuclear and Particle Physics

- CO1 The students will familiar with different techniques used in study of atomic particles
- CO2 The students will have basic knowledge about Nuclear Physics

Energy Studies and Materials Science

- CO1 Student will understand importance of current issues regarding environment
- CO2 Provide knowledge about non conventional energy sources and their importance
- CO3 Students will introduced to nanotechnology.

Electrodynamics and electromagnetic:

- CO1 Students will able to solve the problems in theoretical physics related to magnetic fields.
- CO2 Students will able to study behaviour of fundamental matter particles was in detail studied.

Solid State Physics and Solid State Devices

- CO1 Students made familiar with recent trends in research in advanced Materials
- CO2 Students introduced to different solid state electronic devices

Practical: Annual

After successful completion of practical work, Students will able to,

- CO1 Motivate society towards innovations in physical sciences
- CO2 Apply practical knowledge for industrial application
- CO3 Explain importance of nonconventional energy sources and their use
- CO4 To develop research attitude among themselves and society

Botany Course Outcomes of Botony:

- CO1 To understand and apply the basic principles and rules of Botanical nomenclature
- CO2 Be familiar with methods of systematic, both traditional and modern knowledge
- CO3 Recognize representatives of local flora
- CO4 An introduction to plant cell, plant anatomy, plant physiology
- CO5 To study the life cycles an characteristics of the plants

- CO6 Use in construction of phylogenies and evolutionary relationships
- CO7 Agricultural and economically use of plants
- CO8 Will have the knowledge of plant molecular biology, plant pathology
- CO9 Will be familiar with basics of plant pathology
- CO10 Understand the basics of plant biotechnology
- CO11 Will have the basic knowledge of paleobotany
- CO12 Familiar with basics of floriculture, Sericulture, Ethnobotany
- Co13 Students are able to identify and classify the different plants

PROGRAMME SPECIFIC OUTCOME

Program Specific Outcomes English:

- PSO1 Get familiar with modern English idiom
- PSO2 Learn English to be used in everyday situations, formal as well as informal
- PSO3 Enrich the vocabulary and get acquainted with different registers of English
- PSO4 Get acquainted with the effective and creative writing skills
- PSO5 Understand the advance skills of personality development
- PSO6 Make the students to use effective communicative skills
- PSO7 Understand the advanced skills like marketing, banking, public relations correspondence
- PSO8 Understand the major tenors in literature
- PSO9 Make the students to get acquainted with literary competence
- PSO10 Improve students critical faculty, sharpen their perception and observation on the phenomenon of literature
- PSO11 Know the basic concepts in linguists and difference between semantics and pragmatics
- PSO12 Understand how to study comparatively two different languages

Program Specific Outcomes of Marathi:

- PSO1-** Develop the writing, reading and speaking skills.
- PSO2-** Get acquainted with the modern linguistics.
- PSO3-** Get motivated to write creative and applied Marathi.

Program Specific Outcomes of Hindi:

- PSO1-Develop the writing, reading and speaking skills.
- PSO2-Develop the ability to appreciate the literary works.
- PSO3-Get acquainted with the reference material to study Hindi Language.

Specific Program Outcome of Economics:

- PSO1 Understand the structure and decision-making authority of the Reserve Bank and the Indian Treasury, respectively.
- PSO2 Understand the factors determining gross domestic product, employment, the general level of prices, and interest rates.

- PSO3 Measure living standards, inflation, and unemployment for use as economic indicators.
- PSO4 Analyze the determinants of the relative strengths of fiscal and monetary policy for affecting gross domestic product.
- PSO5 Learn the determinants of long-term economic growth, including the role of saving and investment on the rate of growth.
- PSO6 Understand the role of international trade in affecting living standards.
- PSO7 Analyze the factors that determine currency exchange rates and the impact of changes in exchange rates on exports and imports.
- PSO8 Learn to access national and international macroeconomic data.
- PSO9 Learn how to access and interpret forecasts using macroeconomic data.
- PSO10 Understand various possible criteria for judging the success of economic systems.
- PSO11 Understand the relationships among the concepts of “market failure,” “government failure,” property rights, transaction costs, and culture.
- PSO12 Understand how monetary and fiscal policy affects the financial system.
- PSO13 Critically assess the current motivations for and the efficacy of government interventions in the economy.
- PSO14 Effectively communicate the essence of taxation theory, including tax incidence, tax efficiency, and tax equity.
- PSO15 Apply knowledge of the seminal literature in the areas of public goods, externalities, public choice, and taxation.
- PSO16 Critically analyze alternative taxation schemes.
- PSO17 Measure living standards, inflation, and unemployment for use as economic indicators.
- PSO18 Analyze the determinants of the relative strengths of fiscal and monetary policy for affecting gross domestic product.
- PSO19 Learn the determinants of long-term economic growth, including the role of saving and investment on the rate of growth.
- PSO20 Understand the term structure of interest rates.
- PSO21 Understand the likely path of interest rates in the aftermath of a change in monetary policy.
- PSO22 Understand the impact of inflation on interest rates.
- PSO23 Understand various concepts of yield or rate of return.

Programme Specific Outcomes Psychology:

- PSO1 Understand the human behaviour in all perspective.
- PSO2 Understand the bio-social foundations of mental illness.
- PSO3 Understand individual variations in the development of personality.
- PSO4 Understand how cultural, social factors affect personality and behaviour.
- PSO5 Be able to apply psychological knowledge and practical skills to help people.
- PSO6 Adopt values that contribute to community building at both the local and global level
- PSO7 Be able to work effectively in groups as well as society.

Program Specific Outcomes Geography:

- PSO1 Understand the basic concepts in geomorphology.
- PSO2 Get the knowledge of earth’s interior, endogenetic and exogenetic forces their effects.

- PSO3 Understand the concept of continental drift.
- PSO4 Learn the types of humidity of precipitaton.
- PSO5 Learn the concept of environmental determinism and possibilism.

Specific Program Outcomes of Physical Education:

- PSO1 To make the student aware of the true meaning and modern concept / trend of physical education and Sports
- PSO2 To help the student familiarize with the scope of physical education and sports
- PSO3 Student will be able to understand Physical fitness, concept of Balance Diet. And Bad Habits with Special reference to Physical Finesses Alcohol and Tobacco
- PSO4 To understand Kinds of body Posture, Characteristics of good body posture And Physical Differences between two sexes with reference to Physical performance-strength, speed, endurance, Agility, Flexibility etc.
- PSO5 To understand Physical Education Periods Advent of Aryans 2000 B.C. (Early Period), Epic Age 1500 B.C. to 500 B.C. and Buddhist Period in Ancient India
- PSO6 Student will be able to understand Development of Physical Education in India
- PSO7 Student will be able to understand Development of Physical Education in Maharashtra
- PSO8 To understand the History of Ancient Olympic Games and History of Modern Olympic Games
- PSO9 To know the History of Asian Games
- PSO10 To understand the University various competitions of Inter-collegiate Sports of Shivaji University, Inter-Zonal Sports of Shivaji University, Inter-University Sports and All India Inter-University Sports
- PSO11 Student will be able to understand Different Institutions for training in Physical Education in India of NSNIS, LNIPE (Deemed University), Sports Authority of India with Inceptions and Functions
- PSO12 To understand what type of award get in India such like National Level Sports Award and Maharashtra State Level Sports Award
- PSO13 Student will be able to understand Different Play ground Facilities and its Standards Preparation and Maintenance of Playgrounds
- PSO14 Student will be able to understand Different Equipments of Sports: Care and Maintenance and Policies of purchases of Sports Equipment's
- PSO15 To get knowledge of Personal Health of Factors of Personal Health: Physical, Mental, And Social and Factors influencing on Health: Heredity, environment, Habits, Exercise
- PSO16 To make the student aware of the Health of the Community of Health problems in family, Community, School and Colleges and Role of Government in community health
- PSO17 To enable the student to understand Different Health Programmers: Importance of exercises in health and fitness and Drugs, Alcohol and Tobacco-Adverse effect on sports performance
- PSO18 To understand about World Health Organization (WHO) and World Health Organization in India
- PSO19 To get knowledge about Dietetics and Hygiene of Food sources and their effect: Natural food, impure food, processed food, Stimulants and Athlete Diet Need arid importance
- PSO20 To understand about Balance Diet and Malnutrition
- PSO21 To make the student aware of Underweight and Obesity
- PSO22 To enable the student to understand the modern concept of Rhythm and Recreation
- PSO23 To acquaint the student regarding the brief Introduction of Anatomy, Physiology and Physiology of exercises
- PSO24 To understand Yoga and Physical Health

- PSO25 To understand Relationship of Yoga and Mental Health, Emotional Health
- PSO26 To understand Effect of yogic exercises and Yoga on Various system of the Human Body
- PSO27 To understand Benefits of Yoga in Modern life
- PSO28 To get knowledge about Yoga and Sports Contribution of yogic practices for the development of Sports performances
- PSO29 Student gets knowledge about All Athletics events, Knowledge of Rules & Regulations, how to mark running track, track and field athletics technical officials, Fundamental skills Technique and Technique & Modern Style
- PSO30 To get knowledge about Indian Game: Kabaddi and Kho kho
- PSO31 To get knowledge about Various Game: Volley ball, Hand Ball, Basket Ball, Table Tennis's, Foot Ball, Badminton, Wrestling, Weight Lifting, Fencing, Judo, Gymnastics and Cricket
- PSO32 To get knowledge about First Aid : Meaning, Objectives, Important rules, Material in the First Aid Box and identify Fracture - Types, Signs and Symptoms, Bleeding - Types, Signs and Symptoms - Use of Sling and Splint, Artificial Respiration - Meaning and Method of Artificial respiration, Bandage, Meaning, Types, Way of applying sling, simple dressing

Programme Specific Outcomes of Chemistry:

PSO1 Professional skills:

Acquiring skills to utilize the knowledge of chemistry in innovative, dynamic and challenging environment for design and development of new products

PSO2 Professional skills:

Attainment of ability to acquire skills required to help chemical industry through the practical knowledge

PSO3 Practical implementation and testing skills:

Attainment of ability to acquire skills required to help chemical industry. These may be imbibed through topics like 'analytical techniques', 'instrumentation' required in chemical and allied industry.

PSO4 Successful career and entrepreneurship:

Transformation of the students into skilled person through which their carrier will be successful and they will be successful entrepreneur.

Mechanism of Communication:

Credits

B. A. and B. Com.

4 Theory period of 48 minutes per week over a semester.

B. Sc. Part I

5 Theory period for 2 papers of 48 minutes per week over a semester.

1 Practical period per week over a semester.

B. Sc. Part II

3 Theory period of 48 minutes per week over a semester.

2 Practical period per week over a semester.

B. Sc. Part III

4 Theory period of 48 minutes per week over a semester.

4 Practical period per week over a semester.