

Shri Shivaji Education Society, Amravati's
Matoshree Vimalabai Deshmukh Mahavidyalaya, Amravati
Internal Quality Assurance Cell (IQAC)

**PROGRAMME OUTCOMES/PROGRAMME
SPECIFIC OUTCOMES/COURSE OUTCOMES**
(Humanities/Home-Science/Science/Commerce)

Programme Outcomes (POs)

Programme Outcomes of Bachelor of Home Science

- 1) To Take science from laboratories to common people
- 2) Develop professional skill in food and Nutrition Management of Resources and interior development, clothing construction & communication technologies.
- 3) To learn entrepreneurial skill for self empowerment as well as for community.
- 4) To understand science & technology that enhance the quality of life.
- 5) To understand and appreciate the role of interdisciplinary science to enhance the quality of human life.
- 6) To train the students to take up lead roles in extension and community outreach programmes and thus to contribute towards programmes development.
- 7) To Provide opportunities to the students to sharpen their capabilities with sense of social responsibilities.

Programme Specific Outcomes (PSOs)

PSOs of B.Sc. (Home Science) Introduction to Home Science

- 1) To Introduce the student for programme of Home Science.
- 2) To introduce Home Science as a discipline and multidisciplinary course.
- 3) To Make the students aware of role of resource Management in development of family & communication.
- 4) Role of Human Development in building good citizen.
- 5) Role of Food and Nutrition for sound health of individual and community.
- 6) Role of Textile & clothing in personality development.
- 7) Role of communication and extension in community Development.

Course Outcomes (COs)

Cos of B.Sc. (Home Science) Introduction to home Science

After completion of the course the students will be able

- 1) To understand the role of Home Science in development of family, community and nation.
- 2) To acquaint with home science discipline which is an integrated body of knowledge for improving quality of life
- 3) To know about the need and importance of resources, food and clothing.
- 4) To understand role of communication & extension in community development which ultimately helps for national development.
- 5) To we knowledge of Human Development to become better citizens.

Programme Specific Outcome (PSOs)

PSOs of B.sc. (Home Science) Chemistry (Food Chemistry & Textile Chemistry)

- 1) Basic knowledge about food groups and also the toxicants.
- 2) Role of vitamins, minerals, water in human body and also their deficiencies.
- 3) Knowledge about washing of different type of cloth and about laundry materials.
- 4) Learn the process of traditional dyeing methods such as Tie & Dry and Batik.
- 5) Knowledge about dyes and their types.

Course Outcomes (COs)

COs of B.sc. (Home Science) Chemistry (Food Chemistry & Textile Chemistry)

After completion of the course the students will be able to

- 1) Understand food composition and circulate the knowledge in family, society for better healthy life style
- 2) Understand chemistry of food
- 3) Deliver the knowledge of traditional Tie & Dry method to family & ultimately the society and be self sufficient through this technical knowledge.
- 4) Acquire jobs in textile industry.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Communication Skills

- 1) Know the elements of communication and communication process.
- 2) To design a message.
- 3) Importance of body language in communication.
- 4) Basic knowledge of English Grammar for the use in communication.
- 5) To improve reading, listening, speaking and writing skills.
- 6) To improve handwriting in English and Marathi.

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Communication Skills

After completion of the course the students will be able

- 1) To development skills of communication in English and Marathi.
- 2) To understand the importance of communication in academic and professional growth.
- 3) To develop ability of writing application, formal and informal letters.
- 4) To develop command on writer and spoken English.
- 5) To develop Report writing skills.
- 6) To use body language in communication for personality development.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Ecology and Environment

- 1) To introduce the concept of ecology, environment in students.
- 2) Environment Education.
- 3) Role of Government and NGO's and Educational Institution in Conservation of Environment.
- 4) Importance of Environmental Resources.
- 5) Awareness about the pollution and introduction of pollution control measures.
- 6) Types of wastes and their management.

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Ecology and Environment

After completion of the course the students will be able to

- 1) Know about the duties and rights of citizen towards environmental protection.
- 2) Get knowledge of laws & policies regarding environment conservation.
- 3) Get knowledge of quality of air.
- 4) Know the importance of biodiversity and its conservation.
- 5) Get the knowledge of budding & vegetative propagation of garden plants.
- 6) Detect the PH of soil.
- 7) Get the knowledge of waste management.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Human Physiology

- 1) Basic knowledge of human body as a whole.
- 2) Basic knowledge of blood, its composition, blood group, blood coagulation, blood vessels, arteries.
- 3) Basic knowledge of cell, bone.
- 4) Basic knowledge of vital systems of body.

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Human Physiology

After completion of the course the students will be able to

- 1) Understand the physiology of human body.
- 2) Understand the integrated function of all system of the body.
- 3) Know the importance of working of human physiology.
- 4) Take care of vital organs.
- 5) Get the basic knowledge of diseases.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Food and Nutrition

- 1) Concept of nutrition, nutrition and diet during stages of life and scientific methods of quality cooking with improvement in nutritional quality of food.
- 2) Importance of food selection and menu planning.
- 3) Knowledge of nutrients, cereal, pulses, various preparations.
- 4) Types of natural sweetness and their use as preservatives.
- 5) Assessment of nutritional status, direct nutritional assessment of various age groups.
- 6) Diet survey.
- 7) Importing knowledge about health education and malnutrition.

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Food and Nutrition

After completion of the course the students will be able to

- 1) To apply cooking in scientific way.
- 2) To understand the concept of adequate diet and menu planning for normal and therapeutic diet.
- 3) To develop skill of preparing nutrient rich recipes.
- 4) To Create nutrition awareness in the family and society.
- 5) To step forward for graduation in sports nutrition, food science and Quality control, clinical nutrition & Dietetics, Dietetics, nutrition & food processing, nutrition Management, clinical nutrition and community nutrition, Institutional food service along with 5 core.
- 6) To get job opportunities in food subject industry, as food analysis, food scientist, cook/chef, food preservation Industry, Hospital, Hotels, cafeterias.
- 7) On their own to start with a food unit "Mess" or "food park"
- 8) To supply their products to commercial units.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Resource Management

- 1) Understand the process of management scientific manner
- 2) Types, modes, techniques, tools in decision making
- 3) Type of family resources, factor affecting use of resources
- 4) Family characteristics influencing management, factors motivating management.
- 5) Interior designing, furniture layouts, house keeping, landscaping, developing skill in making art handicraft articles and get the knowledge of color schemes.
- 6) Elements of Art, Principal of Art
- 7) Family's Housing needs and Planning, Principles of kitchen designing and planning.

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Resource Management

After completion of the course the students will be able to

- 1) Know systematic process of management and of goal, values, standard etc, Use of management teachings in day to day life.
- 2) Understand the decision making process
- 3) Sensitize with family resources
- 4) Find out the goals and values of family
- 5) Understand elements and principles of art and design
- 6) Make handicraft art articles, toys and sale them to be self reliant.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Human Development

- 1) Basic knowledge of stages of development
- 2) Awareness about emotions and emotional.
- 3) Problems related to adolescence
- 4) Physical and mental changes in middle age in relation to changing family pattern
- 5) Importance of mental hygiene
- 6) Problems of old age.

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Human Development

After completion of the course the students will be able to

- 1) Develop awareness about important aspects of development during the whole life span
- 2) Understand the issues and adjustment at each stage of life span
- 3) Know the importance of mental health which is necessary to be stress free in this competitive world
- 4) Know the problems regarding old age and children.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Communication and Extension

- 1) Difference between formal and extension education
- 2) Qualities, role and functions of extension worker for community development
- 3) Role of national programmes related to education, health and economic development – ICDS, IRDF, NAEP etc.
- 4) Role of national organization- ICMR, ICAR, ICCW, NIN, CFTRI
- 5) Extension programme planning, evaluation. Data collection
- 6) Extension teaching aids
- 7) Role, qualities of leader
- 8) Methods of communication in extension education.

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Communication and Extension

After completion of the course the students will be able to

- 1) To understand the importance of communication for extension
- 2) To understand the role of extension worker
- 3) To develop the social responsibility and to get acquainted with social and societal problems
- 4) To extend his / her knowledge in rural, tribal housewives and ultimately the society through extension activities.
- 5) To get employment in KVK under central Govt. scheme as extension officer
- 6) To get employment in ICDS scheme.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Textile and Clothing

- 1) Types of fibers and their properties
- 2) Basic knowledge of different types and their properties.
- 3) Details processes of fabric construction, weaving, knitting, braiding, felting
- 4) Method of dyeing, printing & different fabric finishes
- 5) Use of sewing machine & maintenance, embroidery, hand embroidery, machine embroidery, regional embroidery, regional costume
- 6) Garment making, dress designing
- 7) Principles of design, classification of design
- 8) Ability to differentiate between different types of fabrics and selection of clothing according to personality.

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Textile and Clothing

After completion of the course the students will be able to

- 1) To develop creativity in designing of textile and clothing
- 2) To impart knowledge of principals of art and elements of art in society
- 3) To be self employed by opening a boutique
- 4) To be an entrepreneur through embroidery, dress designing, fashion designing
- 5) To run hobby classes for printing
- 6) To open unit for block printing on fabric
- 7) To be self employed by knitting
- 8) To select and guide about suitable garments keeping in mind the personality type and components of design
- 9) To acquire jobs in textile industry

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Nutritional Biochemistry

- 1) Knowledge of Human Biochemistry
- 2) Digestion and metabolism of carbohydrates, lipids, proteins
- 3) Energy metabolism
- 4) Function of carbohydrates, lipids and proteins
- 5) Role of DNA and RNA in protein synthesis
- 6) Vitamins, minerals and enzymes
- 7) Blood – composition, blood groups, coagulation

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Nutritional Biochemistry

After completion of the course the students will be able to

- 1) To develop and understand the principles of Biochemistry
- 2) To obtain an insight into Biochemistry of major nutrients and physiologically important compounds
- 3) Apply the knowledge acquired to human nutrition and dietetics.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Computer Application in Home Science

- 1) Computer fundamentals
- 2) MS – Word
- 3) Internet
- 4) MS- Office
- 5) MS- Excel
- 6) MS- Power Point

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Computer Application in Home Science

After completion of the course the students will be able to

- 1) Handle computers in daily life as it is need.
- 2) Know the basics of computers
- 3) Use computers for education, information
- 4) Work in any private firm as operator with this knowledge

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Health, Hygiene and Microbiology

- 1) Concept and dimensions of health
- 2) Concept of diseases
- 3) Destruction of microorganisms by Disinfectants

- 4) Ventilation concept
- 5) Air borne diseases

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Health, Hygiene and Microbiology

After completion of the course the students will be able to

- 1) Know the personal and community hygiene
- 2) Understand the physical environment
- 3) Understand the concept of health and diseases
- 4) Know the method of sterilization for killing the microorganisms
- 5) Get the general idea of air borne diseases
- 6) Be helpful to society for creating awareness.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Elective Subject- Pranayam and Yogasana

- 1) Introduction by yoga, pranayam for physical, mental and personality development
- 2) Chakras, mudras
- 3) Yogasana for general fitness and in curing different diseases
- 4) Practice of yogasana

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Elective Subject- Pranayam and Yogasana

After completion of the course the students will be able to

- 1) Develop the skill of doing pranayam, practice pranayam
- 2) Know the importance of Mudras nad Chakras
- 3) Understand need and importance of yogasana
- 4) Develop the skill of yogasana
- 5) Practice pranayam and yogasana for healthy and stress free life
- 6) Circular this knowledge to the family members and society for healthy life.

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Elective Subject – Internet

- 1) Introduction to Internet
- 2) Tools of Internet
- 3) Use of Internet
- 4) Microsoft outlook express

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Elective Subject – Internet

After completion of the course the students will be able to

- 1) Understand architecture of internet
- 2) Use of internet in self study
- 3) Use of internet for search of information related to the subject
- 4) Use of internet for shopping & marketing and business

Programme Specific Outcome (PSOs)

PSOs of B.Sc. (Home Science) Elective Subject – Event management

- 1) Meaning, definition, need and importance of Event management
- 2) Evaluation of event, competition of events
- 3) SWOY Analysis of team members
- 4) Concepts of event Management

Course Outcomes (Cos)

COs of B.Sc. (Home Science) Elective Subject – Event management

After completion of the course the students will be able to

- 1) Empower the students to manage and organize various events
- 2) Sanitize the students about various responsibilities and preparation of events
- 3) Serve as event planners in the society and get self employment through it

Program Outcomes (POs) :

Program Outcomes (POs) of Bachelor of Arts

After the completion of B.A. Program the students will develop ability :

1. To know the diverse aspects of society, its problems and structure.
2. To develop among them a sense of social responsibility
3. To have a basic understanding of social, economic, historical, political and religious institutions.
4. To communicate with the people in a better way.
5. To improve soft skills and linguistic skills.
6. To understand fundamental human values.
7. To make a progressive and successful career in various spheres of life.

PSOs of B.A. English:

- 1) Basic knowledge of English grammar.
- 2) Basic knowledge of English as language.
- 3) To develop the students' command on written and spoken English
- 4) An ability to understand literature.
- 5) To prepare the students to face personal interviews.
- 6) An ability to write resume, letters of application, emails, formal and informal letters.

COs of B.A. Compulsory English :

- * To acquire overall linguistic competence and communicative skills.
- * To do interpersonal communication and casual conversation.
- * To develop reading, writing, speaking and listening skills in the English.
- * To write curriculum vitae, fax and emails, letters of application, formal and informal letters in English.
- * To acquire interview techniques.
- * To write newspapers reports, essays and reviews on various topics.

Programme Specific Outcome (PSOs)

PSOs of B.A. (Hindi)

On Completion of B.A. (Hindi) students are able:

- 1) To understand the basic concept and subject of Hindi and its origin
- 2) To make or not the importance of subject Hindi and its Branches.
- 3) To understand various aspects of Hindi Literature with a process to reach method and giving new mode. And direction
- 4) To make an attempt in different area and theory such as vocabulary and vice versa.
- 5) To know Hindi Literature, its roots, courses perspectives and methods
- 6) Elaborating and understanding its philosophical methods of Hindi Literature
- 7) Evaluating the concept of Hindi from part to present and making the society more closely through Literature

Course Outcomes (Cos)

PSOs of B.A. (Hindi)

- 1) Helps to know importance of Hindi language as a national language.
- 2) Helps to study with Hindi Literature which reflect mirror of human life
- 3) Helps to create new opportunities in Hindi translation, Tourism, new reports etc.
- 4) Hindi poems particularly focus on humanity as well as nature which sustained the environment
- 5) The help to create interest among the students about drama, poetry, novel which will open new opportunities in such a field.

PSOs of B.A. Compulsory Marathi :

- 1) To enable the students to standard writing practices.
- 2) To acquaint students with Marathi literature, language and culture.
- 3) To enable the students to analyze and appreciate literary texts.
- 4) To develop linguistic skills of the students.
- 5) To enable the students to use Marathi for creative writing.
- 6) To improve the students' skills of writing Marathi.

COs of B.A. Compulsory Marathi :

After the completion of the course the students will be able :

- * To obtain knowledge of Marathi as language.
- * To acquire linguistic competence and communicative skills.
- * To write newspapers reports, essays and reviews on various topics.
- * To acquire basic knowledge of Marathi grammar.
- * To acquire ability to appreciate literature.
- * To develop skills of translation and narration.

PSOs of B.A. Political Science :

- 1) To understand the concepts and theories in political theory.
- 2) To make students aware of various political, social and economic systems that exist across the international community.
- 3) To familiarize the students with the core intellectual traditions in political thoughts.
- 4) To understand the basic structure of Indian political system.
- 5) To familiarize the students with political structure both constitutional and administrative.

6) To develop the students' interest in political field and acquaint them with current political system.

COs of B.A. Political Science :

After the completion of the course the students will be able :

- * To understand the rights of the President and the Governor.
- * To understand the duties of Prime Minister and cabinet as well as the function of opposite parties.
- * To understand the duties and rights of the Parliament and Supreme Court
- * To know the administration and laws of England, America and China.
- * To understand political thoughts of various political thinkers.
- * To understand the difference between Presidential and Parliamentary Democracy.
- * To know the function of The United Nations organization (UNO) and South Asian Association for Regional Cooperation (SAARC)
- * To face various competitive examinations.

PSOs of B.A. Home Economics :

- 1) To understand the field and concept of Home Economics
- 2) To provide knowledge of the role of diet, nutrients and methods of interior decorations.
- 3) To enhance the decision making capability of women in the family.
- 4) To develop entrepreneurial skills of the students.
- 5) To understand the methods of food preparation and food preservation.
- 6) To encourage the students for self-employment.
- 7) To understand various aspects of child development.

COs of B.A. Home Economics :

After the completion of the course the students will be able :

- * To acquire basic knowledge involved in planning of residential house.
- * To acquire necessary capability for self-employment.
- * To understand the methods of food preparation and food preservation
- * To acquire knowledge about nutritive value of foods.
- * To understand the concept of Human Development and the knowledge of Early Childhood-Education.

- * To understand the role of heredity and environment in child development.

PSOs of B.A. Economics:

- 1) To understand the fundamental concepts of Economics.
- 2) To understand the role of agriculture in economy of Maharashtra.
- 3) To understand India's foreign trade and the concept of globalization.
- 4) To make students aware of public finance and public revenue.
- 5) To familiarize the students with various policy issues in relation to Indian economy.
- 6) To make students aware of fiscal policy, international trade theories and policies.

COs of B.A. Economics

After the completion of the course the students will be able:

- * To identify the relevance and use of various economic theories.
- * To understand diverse aspects of economy of Maharashtra
- * To understand overall information of Indian Economy.
- * To obtain information about the roles of IMF, World Bank and WTO in Indian Economy.
- * To understand Indian population issues and Indian Economy.
- * To get information of Environmental Economics.

PSOs of Sociology

On Completion of B.A. (Sociology) students are able:

- 1) Be introduced to social structure of society
- 2) Get aware of social issues and problem and will be able to find out solutions
- 3) To introduce students with social values and ethics.

Cos of B.A. (Sociology)

- 1) To understand human interaction
- 2) To behave to be responsible person with humanity
- 3) The help students to understand society and to adopt social conditions in a desirable manner

PSOs of B.A. Community Development and Extension (CDE)

On Completion of B.A. (CDE) students will be able:

- 1) To observe and analyse the social institutions and practices and social issues
- 2) To develop research skills through field visits.
- 3) To understand social responsibility, community Organization .

- 4) To understand the concept of small saving Groups, people participation in rural development

COs of B.A. Community Development and Extension (CDE)

- 1) Student become good citizen
- 2) Understand concept of leadership and social work
- 3) Students can get opportunity to work at Zill Parishad, Panchayat Samiti, Gram Panchayat.
- 4) Students will prefer low field.

PSOs of B.A. Cooperation

1. The students understand the basic concepts in cooperation can apply them in the real world he is also updated with the recent trends in the subject.
2. The students also build a strong base for various graduate courses in cooperation related fields.

COs of B.A. Cooperation

The students get knowledge of redemption of preference share and debentures, amalgamation of companies, capital reduction and internal reconstruction.

The course focuses on structure of mutual fund organization, Accounting and taxation of mutual funds and also per for manse measurement of mutual funds.

Program Outcomes (POs) of Bachelor of Science

After completion of B.Sc. program the students will be able :

1. To acquire general grasp of science and technology.
2. To acquire knowledge in all basic sciences.
3. To use modern tools of ICT to learn and transfer knowledge.
4. To develop analytical skills to tackle real life problems.
5. To familiarize with the fundamentals of science education.
6. To develop a spirit of scientific temper and inquiry.

PSOs of Physics :

- 1) To understand the role of Physics in the present day context.
- 2) To make students familiar with the importance of energy conservation and environmental protection.
- 3) To comprehend the pursuit of Physics, its history and methodology.
- 4) To improve technological aspects of the students through various teaching-learning methods.

- 5) To understand types of fiber optic, basic concepts of different types of laser, and renewable sources of energy
- 6) To make students familiar with the concepts of Statistical Mechanics and Solid-state physics.

COs of Physics :

After the completion of the course the students will be able :

- * To understand the concepts of gravitation and planetary motions.
- * To know about kinetic theory of gases, the basic laws of thermodynamics, and the concepts of alternating current with various combinations
- * To know about mathematical background and laws of electrostatics, solid state electronic devices and special theory of relativity.
- * To understand the various branches of Physics as optics, acoustics, and various renewable sources of energy.
- * To understand the concepts of statistical mechanics and solid state physics.
- * To know about quantum mechanics and nuclear physics.

PSOs of Chemistry :

- 1) To familiarize the students with the nature, technique and implementation of modern chemistry.
- 2) To understand scientific and functional principles of instruments typically used in most areas of Chemistry.
- 3) To perform experimental protection, transition, calculation, and prepare solutions as well as use physical properties to classify compounds and chemical reactions.
- 5) To learn and understand how Chemistry is useful to societal, cultural, and environmental problems in relation to energy, medicine and health concerns of our society.

COs of Chemistry :

After the completion of the course the students will be able :

- * To understand applications of aromatic hydrocarbons and aliphatic hydrocarbons.
- * To understand kinetic theory of gases and crystal field theory.
- * To know about the concepts of hybridization and hybridization of different molecules and their geometry.
- * To understand concepts of stereochemistry and electrochemistry.

- * To become aware of the spectroscopy and mass spectrometry of Nuclear Magnetic Resonance phenomena.
- * To identify inter conversions of chemical and electrical energy by experience of electrochemistry of radio isotopes in industry, agriculture, medicine and biosciences.
- * To know complex thermodynamic and kinetic stability and complex geometry.
- * To know fundamentals of organometallic chemistry, inorganic polymers and bio-inorganic chemistry.
- * To understand the chemistry of transition elements.
- * To understand the colligative properties of dilute water as well as the rules of symmetry.
- * To know the spectroscopic methods to consider the molecule's atomic structure.
- * To classify colors depending on the structure and mode of operation, preparation and use of colorants, medications and pesticides.
- * To understand the photochemical and thermal reactions by radiation - matter interaction.

PSOs of Mathematics :

- 1) To understand the nature of mathematical proofs and write clear and concise proofs.
- 2) To become proficient in using mathematics to solve problems both in education and in real life situations.
- 3) To communicate effectively in oral and written form.
- 4) To appreciate the usefulness, power and beauty of mathematics.
- 5) To understand and be able to use the language, symbols and notation of mathematics.
- 6) To understand how to write simple computer programs to perform the mathematical competition.

COs of Mathematics :

After the completion of the course the students will be able :-

- * To understand the common body of knowledge in mathematics and apply analytical and theoretical skills to model and solve the mathematical problems.
- * To understand various concepts of Trigonometry
- * To understand Differential Equations : Ordinary and Partial.
- * To understand Vector Analysis and Solid Geometry.
- * To understand advanced calculus and Elementary Number theory.
- * To grasp various mathematical methods.

- * To understand Linear Algebra, Graph Theory, and Special Theory of Relativity.

PSOs of Botany :

- 1) To make students familiar with the significance of Botany in the present day context.
- 2) To make students familiar with the diversity and role of fungi in forest ecosystem.
- 3) To understand plants and their classifications as well as role of cell biology and its function.
- 4) To understand tools and techniques of recombinant DNA technology.
- 5) To understand Ecological and environmental of flora in forest ecosystem.
- 6) To make students familiar with the physiological characters of wild and cultivated plants.

COs of Botany :

After the completion of the course the students will be able :

- * To understand diversity and applications of Microbes and Cryptogams,
- * To know about taxonomical and economical study of gymnosperms and utilization of spices, timber and Bamboo.
- * To understand about conservation of flora in forest ecosystem
- * To know about classification of plants based on anatomy and embryology.
- * To understand the role of cell biology, role of genetics and biochemistry of plants.
- * To know about the physiological characters of wild and cultivated plants.
- * To understand food chain and food web in ecosystem.
- * To understand DNA technology, the concepts of gene, cloning vectors, gene transfer techniques, tissue culture techniques, fermentation technology, health care edible vaccines etc.
- * To understand basics of prokaryotic system, role of microbes in agriculture, medicine and industry.

PSO'S of Zoology :

- 1) To acquire knowledge about entire invertebrates in Animal Kingdom
- 2) To understand various aspects of cell and development biology.
- 3) To learn and understand life and diversity of Chordata and concept of evolution.

- 4) To acquaint the students with essence of hereditary unit of life, concept of genetic disorders, concept of Ecology and ecosystems in maintenance of nature balance.
- 5) To acquaint the students with animal physiology, concept of homeostasis, economic Zoology, pest control and the concept of aquaculture.
- 6) To understand Molecular Biology and the concept of Biotechnology.

COs of Zoology :

After the completion of the course of the students will be able :

- * To understand cell and its various cell organelles and its functions.
- * To obtain knowledge about diverse branches of biology like genetics, evolution, ecology, physiology and biotechnology.
- * To acquire basic skills in the observation and study of nature, biological teaching, experimental skills and scientific investigation.
- * To understand the unit of life, rich nature of bio diversity of organism and their ecological and evolutionary significance.
- * To make career in such diverse fields as Apiculture, Sericulture, Fisheries and Lac culture.
- * To work in zoological survey of India, Archeology, wild life management, photography.

Bachelor of Commerce (B.Com.)

Programme Outcomes :-

The students would able to –

- PO1: Attain requisite skills and knowledge after the completion of the programme.
- PO2: Achieve the basic knowledge of Economics.
- PO3: Assimilate basic knowledge of Accountancy & Statistics.
- PO4: Efficiency in reading and writing skill.
- PO5: Achieve requisite skills and knowledge of preparing cashbook, ledger books and balance sheet of company.
- PO5: Become knowledgeable about marketing.
- PO6: Create a self employment.
- PO7: Assimilate ethics of life.
- PO8: Achieve Environmental awareness.
- PO9: Attain fundamental knowledge of Computer.

Account and Statistics

Programme Specific Outcomes:-

On successful completion of this specific program, students will be able to

- PSO1: Get basic Accounting Knowledge as applicable to business.
- PSO2: Develop conceptual understanding of fundamentals of Financial Accounting System.
- PSO3: Impart skills in accounting for various kinds of business transaction.
- PSO4: Develop awareness about company accounts.
- PSO5: Get basic knowledge of Mathematics.
- PSO6: Develop awareness about corporate accounting
- PSO7: Get basic knowledge of statistics.
- PSO8: Understand basic concepts and tools used in cost accounting.
- PSO9: Understand of the applications of cost Accounting Techniques for determination of cost of production.
- PSO10: Understand the basic concepts and tools used in management accounting and also understand the applications of management accounting techniques for management decision making.

Business Management

Programme Specific Outcomes:-

On successful completion of this specific program, students will be able to

PSO1: Identify major business functions of Accounting, Finance, Information systems, Management, and Marketing.

PSO2: Describe the relationship of social responsibility, ethics, and law in business.

PSO3: explain forms of ownership, including their advantages and disadvantages.

PSO4: Identify and explain the domestic and International considerations for today's business environment.

PSO5: Identify and explain the role and effect of government in business.

PSO6: Describe the importance and effects of ethical practices in business and analyze business situations to identify ethical dilemmas and ethical lapses.

PSO7: Know the concept and importance of management in business organization.

PSO8: Study the functions of management and managerial process

Business Economics

Programme Specific Outcomes:-

On successful completion of this specific program, students will be able to

PSO1: Analyze the concepts of economics, utility approach, the effect of demand by people through laws, the concepts of elasticity of demand, production functions, cost and revenue.

PSO2: Understand the application of economics in business and the managerial economics, market structure, working in price mechanism, price determination under oligopoly.

PSO3: Know the basic concepts of money, value of money, price fluctuations, money market and capital market.

PSO4: Understand the structure and functions of Indian Financial Market and the analytical study of Indian Banks & Commercial Bank in India, Reserve Bank of India and Stock Exchange of India.

PSO5: Develop the ability to understand and interpret sector wise business environment of India.

PSO6: Understand various growth models and their applicability in Present Scenario.

PSO7: Understand the various functions of retail banks and associated procedural aspects.

Commerce

Programme Specific Outcomes:-

On successful completion of this specific program, students will be able to

PSO1: Get knowledge about Computer, Computer Operating System, MS Word, MS Powerpoint and MS Excel.

PSO2: Familiarize with basics of Information Technology and use of spreadsheet package for Business Data Processing.

PSO3: Know the basics of Database, Database Management System and use of accounting package for Business Data Processing.

PSO4: Familiarize with the basic concepts and ground rules of internet and the various services including designing of website and how to access information from depositories in the World Wide Web.

PSO5: Understand the internet-based e-commerce business models, internet marketing and e-governance.

PSO6: Familiarize with the essentials of internet based e-commerce and to make them comprehend its practical aspects as well as growth potential of e-commerce in India.

PSO7: Get knowledge of Auditing, Audit of Banking, Insurance and Educational Institutions and also to provide interaction with Chartered Accountants.

PSO8: Get theoretical & practical knowledge of various heads of Incomes, Income Tax Act and E-Filing procedure.

PSO9: acquaint with the horizon of Insurance Industry.

PSO10: Get insight into the regulating and functioning of Insurance Business.

PSO11: Understand the concept of Business Laws and its applications in business regulation.

PSO12: Get knowledge to the students about company Act 2013.

English

Course Outcomes:

CO1:Able to communicate skill fully in Business correspondence

CO2: Acquaint with the work culture in corporate world

CO3:The life of great personalities will motivate them to toil to be successful

CO4: Learn and gain fluency in the English language and conversation.

CO5: Become efficient in reading and writing skills.

CO6: The drafting skills of the learners will be honed through grammar and writing skills

CO7: Become proficient in the language and to eventually inculcate professional skills

Principle of Accountancy

Course Outcome :

CO1: Student important basic accounting knowledge at applicable to business i.e. meaning of accountancy.

CO2: Able to handling account transaction

CO3: Maintaining sub subsidiary books and all types of cash books

CO4: Calculation of depreciation method of assets

CO5: Preparation of all types of final account.

Principle of Business Economics

Course Outcomes :

CO1: Application of Micro & Macroeconomic Concepts

CO2: Application of Utility & Indifference Curve Analysis

CO3: Application of Demand Pattern

CO4: Application of Supply and Production Pattern

CO5: Application of Cost & Revenue Pattern

Principle of Business Management

Course outcomes:

The students will be able to :

CO1: With this course, students will be able to have clear understanding of managerial functions.

CO2: Students will have the knowledge of planning process in the organization.

CO3: Students will be able to demonstrate the ability to directing, leadership and communicate effectively.

CO4: Students able to analyze isolate issues and formulate best control tools and techniques.

Computer Fundamental And Operating System-I

Course Outcomes:

The students will be able to –

CO1: Get information about evolution and application of computer & its development.

CO2: Know about different elements of computer system.

CO3: Aware about different types of memory.

CO4: Get to know about different input devices and output devices.

CO5: Learn to prepare a text document with complete formatting and page setting.

Computer Fundamental And Operating System-I (Practical)

Course Outcomes:

Students will be able to do at the end of practical's:

CO1: Prepare new document using Templates.

CO2: Change font size & font color

CO3: Change line spacing of Paragraph

CO4: Change case of Paragraph

CO5: Create Bullets, Numbering list

CO6: Create Subscript & Superscript

CO7: Decrease and Increase of Paragraph indent

CO8: Insert Header & Footer in document

CO9: Page Setup of Document

CO10: Insert Page break, Section break, Columns.

CO11: Students will learn to final Proofing and printing documents

Financial Accounting

Course outcome :

CO1: Rectification of Journal entry

CO2: Student acquire the knowledge of nonprofit organization

CO3: Prepare the all types of cooperative society account

CO4:Students should be acquired partnership farm accountancy

CO5:The bill of exchange contest and unconditional order to pay a create amount on as agree day.

Business Economics

Course Outcome:

CO1:Examine the difference between business and managerial economics.

CO2: Application of Discriminative nature of monopolist.

CO3:Application of monopolistic competition, oligopoly, and perfect competition

CO4:Application of demand and supply pattern of rent and wage.

CO5:Application of the theories of interest and profit

Principle of Business Organization

Course Outcome:

The students will be able to:

CO1:To Familiar with business organization.

CO2:Understand the concepts related to Business policies.

CO3:Demonstrate the roles, skills and functions of management.

CO4: To diagnose and solve organizational problems and develop optimal managerial decisions.

Computer Fundamental & Operating System II

Course Outcome:

The students will be able to

CO1. Get basic introduction of Computer and mobile operating systems

CO2. Know concept of windows versions.

CO3. Create and delete file in File Explorer.

CO4. Know concept of modern communication and network topologies.

CO5. Create e-mail account and compose e-mail message.

CO6. Create table, utilizing existing Template provided by Microsoft and add customization on Template according to user needs.

CO7. Identify steps in the process and complete an activity to create a mail merge.

CO8. Develop the skill of power point programs.

CO9. Insert various graphical object on slide.

CO10. Add different Transition, Animation, Sound and Timing effect to Slide.

CO11. Run a presentation on computer screen.

Computer Fundamental And Operating System-II (Practical)

Course Outcome:

Students will be able to do at the end of practical's:

CO1: Know how to organize files/folder in File Explorer

CO2: Understand different customization setting in windows 10.

CO3: Create windows login Account which is necessary for Windows 10

CO4: Create table, utilizing existing Template provided by Microsoft and add customization Template according to user needs.

CO5: Add header and footer to long list of pages which is crucial.

CO6: Complete Mail Merge process.

CO7: Change layout of pages

CO8: Create Presentation, designing slides and add different Transition and Animation effect to objects and Slide

Company Accounts (CAC)

On the successful completion of this course, students will be able to

CO1: Understand the features of Issue of Shares, forfeiture and Re-issue of shares.

CO2: Give an exposure to the company final accounts.

CO3: Provide knowledge of Profit Prior to Incorporation.

CO4: Get an idea about Amalgamation and Absorption of Company.

Business Mathematics (BMS)

On the successful completion of this course, students will be able to

CO1: Get basic knowledge of mathematics such as natural numbers, Integers, H.C.F, L.C.M, Linear Equation, Percentage, Discount, Commission and Brokerage as well as Average & Profit & Loss.

CO2: Calculate Simple interest, Compound Interest, Ratio and Proportion.

Auditing (AUD)

On the successful completion of this course, students will be able to

CO1: Get knowledge about Auditing nature, scope, advantages, objectives and Limitations.

CO2: Get Knowledge about Audit Program, Vouching, Verification and Valuation of Assets and Liabilities; Dividend and Auditor's Report.

CO3: Get various opportunities in Auditor's role and motivate to become Auditor of any recognized Firm, Institutions and Procedure of auditing related to Trading and Non Trading Institutions, Banking and Insurance.

Monetary Systems(MSY)

On the successful completion of this course, students will be able to

CO1: Understand the basic concept of Money and its changing phase and develop their understanding about present money/currency which is important in rapidly changing global economy.

CO2: Learn about value of money and theories of money and develop their understanding on demand and supply of money.

CO3: Understand concept of price fluctuation states inflation/deflation and trade cycle of economy; also will able to develop solution on Indian economic problem.

CO4: Learn the basics of Capital Market & its working mechanism.

CO5: Learn investors' point of view; financial literacy of students so that they will take appropriate financial decision.

Information Technology and Business Data Processing – I (ITBDP)

On the successful completion of this course, students will be able to

CO1: Identify the use of Data in computing & also Applications of Data Processing in Business. CO2: Aware the terms of Database Data warehousing & determining in computing.

CO3: Identify how computer manage over all Data with Help of DBMS.

CO4: Understand the basic concept of MS – Excel.

CO5: Perform mathematical operations with the Help of MS – Excel in computer.

Corporate Accounting (CAT)

On the successful completion of this course, students will be able to

CO1: Make aware about accounts in banking companies.

CO2: Get knowledge about accounts in insurance companies.

CO3: Get an idea of liquidation of companies.

CO4: Get knowledge on Valuation of Shares and Valuation of Goodwill.

Business Statistics (BMS) (BST)

On the successful completion of this course, students will be able to

CO1: Get basic knowledge of Statistics, Data collection, Tabulation and presentation of statistical data, Index numbers, mean, Median, mode.

CO2: Learn concept of dispersion, absolute and relative measures of dispersion Skewness, co-efficient of correlation & Probable Error.

Income Tax (IT)

On the successful completion of this course, students will be able to

CO1: Learn Income Tax subject to get overall information about National Income i.e. Income Tax and its importance in National Economy.

CO2: Understand various sources of Incomes regarding Income from salary, Income from House property and calculating such Income of Individuals.

CO3: Get knowledge of Income from Profession and Income from other sources and how to calculate Tax liability.

CO4: Learn Income Tax Programs form 16, form 10A and filing of Income Tax from various sources of Incomes.

Information Technology and Business Data Processing – II (ITBDP)

On the successful completion of this course, students will be able to

CO1: Understand the meaning of information & information Technology & also its uses in Business & Various Fields.

CO2: Perform the terms of Accounting with the Help of Computerized Accounting.

CO3: Understand how to create companies, create ledgers, Vouchers in Tally ERP 9 for performing the term of accounting.

CO4: Understand how data import and export in Tally & also aware about the Indian tax System.

Cost Accounting (Cost AC)

On the successful completion of this course, students will be able to

CO1: Get knowledge of the basic concepts and tools used in cost accounting.

CO2: Classify the material purchase procedure so that they get the Knowledge of store keeping and store record so that it will be helpful that prepare cost sheet.

CO3: Get idea of direct labor and indirect labor and also time keeping methods and wages payment so that calculate the tender value.

CO4: Get the idea of overheads so that classified reconciliation of cost and financial account.

CO5: Get the knowledge of fundamental costing and will be able to understand process costing.

Business Environment (BEM)

On the successful completion of this course, students will be able to

CO1: Get information about Business Environment, Demonetization or post Demonetization and its impact on Business Environment in India.

CO2: Understand the role of Agriculture sector behind the Indian economy as well as Business environment related to small scale cottage of micro industries.

CO3: Understand the service sector in India as well as Tourism sector of Hospitality Industries in India and Foreign Trade policy, Balance of Payment System in India and Foreign Direct Investment FII & whole Investment Environment.

Business Regulatory Framework (BRF)

On the successful completion of this course, students will be able to

CO1: Understand Indian contract Act 1872, Performance of contract, consequences and Remedies of Breach of contract, special contracts i.e. Indemnity, Guarantee, Bailment and Pledge and Agency.

CO2: Know about the General principles, Importance of sales of Goods Act1930, and Consumer Protection Act. 1986, Indian Negotiable Instrument Act 1881.

CO3: Learn Goods and Service Tax Act, 2017, Basic procedures in GST, Powers of GST officer, offences penalties and Appeals.

Internet and WWW – I

On the successful completion of this course, students will be able to

CO1: Develop the skills in applications of internet.

CO2: Know the HTML concepts, creation, of HTML files, tags and attributes of HTML.

CO3: Create the self web browser, web sites, and search engine.

E- Commerce – I

On the successful completion of this course, students will be able to

CO1: Get the basic knowledge of E-Commerce.

CO2: Get knowledge of retail E-Commerce i.e. B2C, C2B, C2C and e- option procedure.

CO3: Get complete knowledge of B2B E-Commerce.

CO4: Get knowledge of online banking, E-payment, credit card, Debit card and online payment app.

Management Accounting

On the successful completion of this course, students will be able to

CO1: Get knowledge of basic concepts and tools i.e. meaning, features merits demerits, scope and functions of Management Accounting. As well as students will get the difference between Management Accounting and Financial Accounting and Management Accounting and Cost Accounting.

CO2: Understand Break Even Analysis, Its concepts, uses and limitations with margin of safety. They can also identify profit volume ratio for decision making cost Profit volume Relationship, they can learn the techniques of solving Problems on Break Even Analysis.

CO3: Learn meanings, advantages, limitations of Ratio Analysis and get knowledge about solving problems on Profit and Loss Account Ratio, Balance sheet ratio, Current, Quick and Proprietary ratio.

CO4: Get knowledge about Budget its characteristics, types of Budget. They also become able to know the problem solving techniques of Cash budget.

CO5: Get knowledge about budgetary control, its meaning, objectives and limitations of Budgetary control.

CO6: solve the problems on Flexible Budget.

Economics of Development (ECO) :-

On the successful completion of this course, students will be able to

CO1: Get knowledge how economic growth is depend upon the economic development.

CO2: Identify the key role of human resource developments.

CO3: Know the domestic savings and capital formation in India.

Company Law :-

On the successful completion of this course, students will be able to

CO1: Get Knowledge about company Act 2013 formation of company, stages of formation promoters and types of company, Incorporation of company, Prospectus, Memorandum of Association and Articles of Association of company.

CO2: Get knowledge about share capital of company, types of shares and debentures, securities market, History, functions importance of Stock Exchange.

CO3: understand the meaning, importance and functions of Primary market and secondary market and D-mat Account and Secretarial practice along with meetings Procedures.

Internet And WWW –II (IWW)

On the successful completion of this course, students will be able to

CO1: Develop skill to create program on internet.

CO2: Develop skill to create web browser, search engine.

CO3: Understand HTML form building.

E-Commerce – II (EOE)

On the successful completion of this course, students will be able to

CO1: Get the basic knowledge of online trading.

CO2: Get insight to identify way to online shopping.

CO3: Get knowledge about the online payment system.

CO4: Get knowledge of services involved in online trade.