संहती कार्यसाधिका । शिलं परं भूषणम्
Shetkari Shikshan Prasarak Mandal's
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NAAC 'B+' Grade (CGPA 2.65)
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President : Dr. Suresh Jaywantrao Bhosale
Principal : Dr. Salunkhe C. B. M.Sc., Ph. D.

॥ संहती कार्य साधिका, शिलंम परम भूषणंम ॥

**Shetkari Shikshan Prasarak Mandal's**

**KRISHNA MAHAVIDYALYA RETHARE BK.**

# Internal Quality Assurance Cell

# (IQAC)

# PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES AND COURSE OUTCOMES

## 2020-21

# PROGRAMME OUTCOMES

## Bachelor of Arts (B.A.)

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

- To become a good citizen of India.
- To understand every field of Knowledge.
- To understand Moral ethics in humanities.
- To become socially conscious.
- The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.
- The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.
- To understand fundamental values of Indian Constitution.
- To get employment opportunities.
- To use communication skills.
- To make all round personality development of the learners.
- To become good human being.
- The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.

## Bachelor of Science (B.Sc)

After completion of the B. Sc programme, the students will develop ability:

- ✓ The B.Sc Programme develops an insight of scientific inquisitiveness among students.
- ✓ It increases **scientific** temperament and attitude among the science graduates.
- ✓ It creates a systematic method of study ie. Observation, Experiment and Conclusion which is a basic principle of scientific research.
- ✓ The qualities of a science – observation, precision, analytical mind, logical thinking, clarity of thought and expression, systematic approach, qualitative and quantitative decision making are enlarged.
- ✓ The program also empowers the graduates to appear for various competitive

examinations or choose the post graduate programme of their choice.

- ✓ It trains the learners to extract information, formulate a scientific method of study and solve problems in a systematic and logical manner
- ✓ This programme enables the learners to perform the jobs in diverse fields such as agriculture, industries, engineering, survey, education, banking, development-planning, business, public service, self-business etc. efficiently.
- ✓ The programme also helps the students to perform their carrier in the field of basic and applied research.
- ✓ Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.

# Bachelor of Commerce (B. Com.)

After completion of the B. Com. programme, the students will develop ability:

- ❖ To understand the principal and areas of Commerce And management.
- ❖ To inculcate the qualities and skills of entrepreneurship.
- ❖ To understand basic knowledge of accounting
- ❖ To gain a thorough grounding in the fundamentals of Commerce and Finance.
- ❖ To face the modern-day challenges in commerce and business in relation with globalization.
- ❖ The course offers a number of value based and job-oriented knowledge which progress to the valuing and organization levels.
- ❖ The Course develops basic knowledge of statistical techniques applicable to business along with the concepts in Insurance, Banking, Marketing and e-commerce.
- ❖ The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- ❖ The students also acquire knowledge in the field of management accounting, corporate accounting, statistical and mathematical techniques and knowledge relating to corporate law and business laws.
- ❖ The students become capable of doing a business of their choice or choosing a profession or can become employees having basic knowledge and skill required for such activities.

# PROGRAMME SPECIFIC OUTCOMES

## B. A. Programme

## 1. Marathi

After completion of the programme, the students will develop ability:

- To understand the creative process and appreciate Marathi literature.
- Students will understand the social customs, codes and get interest in reading Marathi literature.
- Students will be aware of impact of various factors on Marathi literature and use of formal and informal Marathi in communication.
- Students will develop their critical and creative skills and use of language in day-to-day life.
- Students can understand that moral values reflected in Marathi literature.
- Students can go for higher studies and post graduate courses in Marathi language
- Students can understand that moral values reflected in Marathi literature.
- Students can go for higher studies and post graduate courses in Marathi language

## 2. Hindi

After completion of the programme, the students will develop ability:

- In the history of Hindi literature and its various forms.
- students will write a compare and contrast paragraph using vocabulary associated with the language function.
- Language difficulties in the skills of listening, reading, writing, speaking can be understood and solved.
- Student learn communicate effectively in the Hindi language.
- students will write a compare and contrast paragraph using vocabulary associated with the language function.
- In understanding and appreciate literature in Hindi and use of Hindi in day-to-day life.
- Knowing difference between formal and informal use of language.
- Developing communication skills in Hindi and propagate Hindi as a national language.
- Get information about the Literary theories.

## 3. Economics

After completion of the programme, the students will develop ability:

- In understanding the behavior of Indian and world economy.
- Students will understand the role finance institution, finance management, Banking, E – Banking, money and Capital markets.
- Analyzing macroeconomic policies including fiscal and monetary policies of India along with the economic variables including inflation, unemployment, poverty, GDP, Balance of payments using statistical methods.
- Students will understand various aspects and features of Indian economy.
- Student will know about Consumer's behavior, Demand analysis, cardinal and ordinal utility.
- Students will know demographic features, size, sex ratio, growth rate, migration, Industrial development, Industrial policy, FERA, FEMA, Act. and the Concept of LPG.
- The students will understand various concepts of Agricultural Economics and they can be well familiar with rural Economy. Students can work efficiently in the field of banking, finance, industry, farming, consumer rights, production, research and trade
- To understand the behavior of financial and money markets and perform cost benefit analysis for making investments.

## 4. History

After completion of the programme, the students will develop ability:

- ✓ Understand the basic themes concept, Chronology and the scope of Indian history.
- ✓ To study the history of various countries in the world.
- ✓ To study and interpret history objectively.
- ✓ Prepare of various type of the competitive examination.
- ✓ To understand the change and impact of the revolutionary events.
- ✓ To understand the events of Indian freedom struggle and contribution of the freedom fighters to the making of modern India.
- ✓ Critically recognize Social, Political. Economic and cultural aspects of history.
- ✓ To realize the role of social reform movements in the development of modern India.

## 5. Geography

After completion of the programme, the students will develop ability:

- The program shall be helpful to gather information and Knowledge of basics in geography.
- The program gives minute knowledge of whole Earth ie. Lithosphere, Hydrosphere, Atmosphere and Biosphere.
- It will be helpful to understand the physical setup of the world and especially of India and Maharashtra.
- The program will be helpful to study the forms and processes of various landforms.
- To get acquainted with the relationship between human activities and physical Environment.
- To relate Global and Local situations.
- The study will be helpful to the planning and management of Natural and Human Recourses.
- It gives knowledge of Natural and Manmade Hazards and disasters and their management.
- To acquire knowledge of different traditional And Modern study techniques like cartography, GIS, GPS and Remote Sensing.

# PROGRAMME SPECIFIC OUTCOMES

## B.Sc Programme

### 1. Physics

After completion of the programme, the students will develop ability:

- To understand the core knowledge of Physics and the basic concepts which help them in understanding physical phenomenon in nature.
- It Identify their area of interest and further specialization in the subject and also develops skills and competencies to conduct scientific experiments related to Physics.
- The study inculcates rigorous understanding of the core theories & principles of physics, which includes mechanics, electromagnetism, thermodynamics, & quantum mechanics.
- It helps to understand the set of physical laws, describing the motion of bodies, under the influence of system of forces.
- It provides knowledge about material properties and its application for developing technology to solve the problems of the society.
- To learn the structure of solid materials & their different physical properties along with metallurgy, cryogenics, electronics & material science.
- To understand the fundamental theory of nature & levels of atom & sub-atomic particles.
- It provides advanced knowledge and skills for technical work in industries along with their knowledge and skills in carrying out independent work.

### 2. Chemistry

After completion of the programme, the students will develop ability:

- It provides a broad foundation in chemistry that stresses scientific reasoning and Analytical problem solving with a molecular perspective.
- It gives exposures of a breadth of experimental techniques using modern instrumentation and to understand the importance of the Periodic Table of the Elements and its role in organizing chemical information.
- They are able to secure profitable employment in industry or in government sector and the subject also produce graduate analyst with thorough knowledge of qualitative and quantitative analysis, chemical synthesis, spectroscopic, electro-analytical, chromatographic, thermal, microscopic techniques and other basic analytical techniques to cater the need of various sections in industries such as QC, QA, ADL, R & D.
- To understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics and other disciplines to a wide variety of chemical problems.

- To learn the laboratory skills needed to design and interpret chemical research and also acquire a foundation of chemistry of sufficient breadth and the depth to enable them to understand and critically interpret the chemical literature.
- To build up problem solving skills in students.
- To expose the students to different processes used in industries and their applications.
- To develop the ability to attain the knowledge of terms, facts, techniques, concepts, processes and principles of subjects.

## 3. Mathematics

After completion of the programme, the students will develop ability:

- ✓ To understand the core knowledge of Mathematics and the basic concepts which help them in understanding the basic Mathematics.
- ✓ It identify their area of interest and further specialization in the subject and also develops skills and competence to conduct scientific equations related to Mathematics.
- ✓ The study inculcates rigorous understanding of the core theories, equations, problems and principles of Mathematics.
- ✓ Students can apply induction principle and they also find LUB, GLB, definition of limit and continuity.
- ✓ They learn to solve improper integrals and make use of linear equations for solving any differential equations, understand various problems related with planar graphs.
- ✓ Understand the Concepts of Matrices and learn properties of inverse Laplace transforms
- ✓ Students can know the definition of the limit of a sequence and evaluate the limits of a wide class of real sequences.
- ✓ Students can understand the significance of differentiability for complex functions and be familiar with the Cauchy-Riemann equations.
- ✓ It provides advanced knowledge and skills for technical work in research and formulation of theories, concept, principals along with their knowledge and skills in carrying out independent work.

## 4. Zoology

After completion of the programme, the students will develop ability:

- ❖ To understand the core knowledge of Zoology and the basic concepts which help them in understanding the basics of Zoology.
- ❖ It identify their area of interest and further specialization in the subject and also develops skills and competence to conduct scientific study of Flora and Fauna.
- ❖ Students will demonstrate broad understanding of major current and past theories research findings and methodologies and techniques in their area of concentration both orally and writing.

- To understand the nature and basic Concepts of Cell Biology and the basic Concepts of Chordates and Non-Chordates along with the Concepts of Goatery and Lac Culture.
- To understand the various Applications of Biotechnology, the Lamarkism, Neo-Lamarkism and Darwinism and the terms ELISA technique, DNA finger printing and the process of evolution.
- It helps to retrieve, evaluate, and interpret professional scientific literature and use this information to develop theoretical framework, testable hypothesis and prediction for their own research project.
- It provides advanced knowledge and skills for technical work in research and formulation of theories, concept, principals along with their knowledge and skills in carrying out independent work.

## 5. Botany

After completion of the programme, the students will develop ability:

- To understand the core knowledge of Botany and the basic concepts which help them in understanding the basics of Botany.
- It identifies their area of interest and further specialization in the subject and also develops skills and competence to conduct scientific study of vegetation.
- It helps to understand plant structures in the context of physiological functions of plants along with the lipid metabolism in plants.
- It can help to know the morphological and structural organization of Cryptogams and Phanerogams along with economics of Botany and plant utilization in concern with human life.
- It helps to understand plant biologists work primarily in the outdoors, forests, parklands, and fields.
- It also helps to develop ability of work in laboratories, museums, botanical gardens and in the industry.
- Students get knowledge of developing organic farming and
- The subject provides knowledge of diversity of plants, biology of plants and their industrial application of microorganism.
- Students can go into fields as diverse as biotechnology, environmental monitoring and agriculture.
- Student can get self-employment in the fields like mushroom Cultivation, organic manure preparation, the horticultural, plant production, cultivation of crops in poly-house condition, plant tissue, culture laboratories etc.

PRINCIPAL
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