

Trimurti Shikshan Sanstha's
Smt. Vimalbai Uttamrao Patil Arts and Late Dr. Bhaskar
Sadashiv Desale Science College, Sakri

Programme Outcomes

Undergraduate (UG)

Arts	Science
<u>Marathi</u>	<u>Chemistry</u>
<u>Hindi</u>	<u>Computer Science</u>
<u>English</u>	<u>Information Technology</u>
<u>Geography</u>	<u>Microbiology</u>
<u>History</u>	<u>Physics</u>
<u>Defense Studies</u>	<u>Mathematics</u>
<u>Sociology</u>	<u>Zoology</u>
<u>Political Science</u>	<u>Electronics</u>
<u>Economics</u>	
<u>Education</u>	
<u>History (M.A.)</u>	

➤ **Department of Marathi**

➤ **Programme Outcomes: B.A. Marathi:-**

Sr. No.	PO's
PO's	मातृभाषा व साहित्यातून मानवी जीवनव्यवहार समजून घेता येतो तसेच युवक वयोगटातील विद्यार्थ्यांची भाषा व वाङ्मयविषयक मनोभूमिका दृढ होते.
PO's	समाजव्यवहारात भाषेचे यथोचित आकलन व वापर करण्याची क्षमता विकसित होते. भाषा व संस्कृती आणि साहित्य व संस्कृती यांचा अनुबंध समजून घेता येतो.
PO's	समाजामध्ये वावरण्यासाठीची संवेदनशीलता विकसित होते. व्यक्तिमत्त्व विकास साध्य करता येतो.
PO's	साहित्य व संस्कृतीविषयी ज्ञान संग्रहण, संक्रमण प्रक्रिया गतिमान होते. भाषेवर प्रभुत्व निर्माण करता येते.
PO's	साहित्यातील जीवनदर्शन, समकाल, व्यवहार यांची जाणीव होते.

➤ **Programme Specific Outcomes: B.A. Marathi:-**

After successful completion of three-year degree program in Marathi a student should be able to

Sr. No.	PSO's
PSO1	वाङ्मयीन मराठीतून विद्यार्थ्यांना कथा, कविता, कादंबरी, नाटक, चरित्र आत्मचरित्र, ललिततगद्य या वाङ्मय प्रकारांचा विद्यार्थ्यांना परिचय होतो व हे साहित्य प्रकार विद्यार्थी आत्मसात करून लेखनास प्रवृत्त होतात.

PSO2	विद्यार्थ्यांना बीए मराठी विषय घेण्यामागे शिक्षण शासकीय खाजगी न्यायालय प्रकाशन संस्था अधिक क्षेत्रात नोकरीची संधी उपलब्ध होते तसेच स्वतःचा व्यवसाय स्पर्धापरीक्षेच्या दृष्टीने भाषेचा व्याकरणिक अभ्यास उपयोगी पडतो घरातील व्यक्तींमध्ये चांगले संभाषण करता येते त्याचप्रमाणे व्याकरणाचे साहित्याचे ज्ञान मिळण्यासाठी लेखन कौशल्य अवगत करण्यासाठी मराठी भाषेचा उपयोग महत्वाचा ठरतो.
PSO3	संवादाची क्षमता विकसित करणे व भाषा कौशल्य विकसित करणे.
PSO4	मराठी व्याकरणाचा आस्वाद घेऊन आकलन क्षमता विकसित करणे.
PSO5.	उत्तम दर्जाची व्यवसायिक कृती वृत्ती निर्माण करून उद्योगाची दिशा दाखवता येते.
PSO6	नाटकातील सुखात्मिका शोकात्मिका यांचे स्वरूप व वैशिष्ट्य समजून घेता येते.
PSO7	मध्ययुगीन मराठी वांगमयाचा निर्मितीमागील प्रेरणा क्लास स्वरूप व वैशिष्ट्ये तसेच विविध साहित्य कृतीचा परिचय करून देणे.
PSO8	निबंध लेखनाचे स्वरूप घटक वैशिष्ट्ये प्रकार समजून घेणे व निबंध लेखनाचे कौशल्य आत्मसात करणे.

➤ Department of Hindi

➤ Programme Outcomes: B.A.Hindi:-

बी.ए. में प्रवेश के इच्छुक छात्र कार्यक्रम में निम्नलिखित गुणवत्ता होने की उम्मीद है। जो उन्हें अपने भविष्य में अपेक्षित लक्षों को प्राप्त करने में मदद करती है।

Sr. No.	PO's
PO's	मानविय मुल्यों की प्राप्ती।
PO's	समाजसेवा की भावना।

PO's	जिम्मेदार और कतिव्यपरायण नागरिका ।
PO's	रचनात्मक क्षमता।
PO's	गंभीर स्वभाव।
PO's	काव्यशास्त्र का सामान्य परिचय कराना ।

> Programme Specific Outcomes: B.A.Hindi: -

Sr. No.	PSO's
PSO1	छात्रों को हिन्दी भाषा से अवगत कराना ।
PSO2	छात्रों को प्रतियोगिता परीक्षा के लिये तैयार कराना ।
PSO3	छात्रों को हिन्दी में कार्य करने की विचार क्षमता , कल्पनाशिलता विकसित कराना ।

> Department of English

> Programme Outcomes: B.A.English:-

After successful completion of three-year degree program in English a student should be able to

Sr. No.	PO's
PO's	The papers framed for this Program are in accordance with the norms of CBCS pattern.
PO's	Discipline specific papers will acquaint the students with the rich legacy of English Literature and the contribution of legendary writers to the development of English Literature.
PO's	The papers of skill and ability enhancement are framed not only to orient the students on the use of language but how to use the language creatively and professionally.
PO's	The paper of Project writing will inculcate the skills of explanation, interpretation and visualization in the students.

PO's	The Paper of Compulsory English is specifically framed from the viewpoint of value education which is the basis of quality life.
PO's	Selection of contents in all the courses will help the students to comprehend the worldly wisdom and commercial perception which will ultimately lead them to be successful and enjoy quality life.
PO's	The special papers will open up traditional job opportunities for the students but the papers of skill and ability enhancement will open up corporate, govt. and private sectors for the students of English literature.

➤ Programme Specific Outcomes: B.A. English: -

Sr. No.	PSO's
PSO1	Use correct English in oral as well as written form.
PSO2	Inculcate human values for one's transformation of behavior.
PSO3	Interpret the literary works by critical analysis.
PSO4	Compare literary works of the great philosophers using their logic and literary capacity.
PSO5.	Use correct English in oral as well as written form.

➤ Department of Geography

➤ Programme Outcomes: B.A. Geography:-

After successful completion of three-year degree program in geography a student should be able to

Sr. No.	PO's
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PO's	To Acquaint the students with basic of scale, Map projection and cartographic
PO's	techniques and surveying to proper guidance to students for Competitive examination
PO's	The paper of Physical geography of Maharashtra Specifically framed to acquire knowledge of our states and within various resources to students.
PO's	The paper of Practical Geography specifically framed to acquaint the students with basics of scale map projection and Cartographic techniques.
PO's	The paper of Human and Economic Geography was specifically framed to acquaint with knowledge of the economic realm in the world as well as in India and various races of Mankind in the world.
PO's	The paper of SEC (Both Semester) Specifically framed to Students will gate knowledge about various approaches and model of regional planning and development
PO's	To understand the principle of Remote sensing.

➤ Programme Specific Outcomes: B.A. Geography:-

Sr. No.	PSO's
PSO1	To Study theory and models of economic Geography
PSO2	to explain the trade and transport activities in world
PSO3	To enable the students use scale map and cartographic techniques
PSO4	To learn basic of GPS based survey

➤ Department of History

➤ Programme Outcomes: B.A. History :-

After successful completion of three-year degree program in History a student should be able to

Sr. No.	PO's
PO's	To introduce various perspectives of the Indian Freedom movement.
PO's	To develop the Spirit of Nationalism Among Students.
PO's	To create and enhance interest about regional History among the students.
PO's	Useful for the Preparation of the Competitive Examination.

> Programme Specific Outcomes: B.A. History: -

Sr. No.	PSO's
PSO1	To Understand the basic concepts of historical movements , development of cultural civilization
PSO2	To analyze the economic importance of various sectors like Agriculture , Industry and Service sector of different administration levels.
PSO3	To understand, develop and demonstrate academic proficiency in the subfields of political theory.
PSO4	To promote values such as sustainable development, Optimum utilization of resources, patriotism, respecting the ideals of freedom struggle and responsible citizenship, political participation and socialization.

> Department of Defense Studies

➤ Programme Outcomes: B.A. Defense Studies:-

After successful completion of three-year degree program in Defense Studies a student should be able to

Sr. No.	PO's
PO's	Become knowledgeable in the subject of National security and apply the principles of the same to the requirements of the Uniformed forces.
PO's	Understand and Appreciate Professional Ethics, Community Living and Nation Building Initiatives.
PO's	Understanding and giving solutions to varied Security problems.
PO's	Able to identify and adopt compliance formalities in National Administration
PO's	Demonstrate ability to adapt to a rapidly changing environment by learning new skills and new competencies for application thereof.
PO's	Acquire the spirit of compassion, kinship and commitment for National Harmony
PO's	Progressively adopt and learn continuously through ICT modules
PO's	Enable the students to acquire professional qualification at the earliest.
PO's	Prepare young and Capable minds to serve the nation in Army, Navy and Airforce.

➤ Programme Specific Outcomes: B.A. Defense Studies:-

Sr.No.	PSO's
PSO1	Inculcating analytical heart and mind to manage day- to- day National issues
PSO2	Solve the practical problems in the area of National Security conformity with human, environment Political, etc
PSO3	Understand the problems of International issues and inculcate in required skills for conflict management.
PSO4	Be an active member of a Uniformed force.

➤ **Programme Outcomes: B. A. Sociology :-**

After successful completion of three-year degree program in History a student should be able to

Sr. No.	PO's
PO's	The papers framed for this program are in accordance with the norms of CBCS pattern.
PO's	Selection of contents in all the courses will help the students to comprehend the worldly wisdom and commercial perception which will ultimately lead them to be successful and enjoy quality life.
PO's	The special papers will open up traditional job opportunities for the students but the papers of skill and ability enhancement will open up corporate, govt. and private sectors for the students of sociology.

➤ **Programme Outcomes: B.A.Political Science :-**

After successful completion of three-year degree program in History a student should be able to

Sr. No.	PO's
PO's	The study of political science subjects raises awareness among the students about governance and administration
PO's	The study of competitive examinations helps in the study of the basic concepts of the subject of political science.
PO's	The Parliament of India, the Legislature of Maharashtra, the thinkers and movements related to political science as well as various political classical concepts are studied.

> Programme Outcomes: B.A.Economics:-

After successful completion of three-year degree program in Economics a student should be able to

Sr. No.	PO's
PO's	Students are able to develop academic proficiency in the subfields of Indian Government and Economic Politics, Comparative Government, International Relations, Public finance, Economical Theory.
PO's	Students are able to develop and be able to demonstrate skills in conducting as well as presenting research in Economics.
PO's	Students are enabled to analyze Economic policy problems and formulate New policy options.
PO's	Students are able to discuss the major theories and concepts of Economic science and its subfields, and also deliver thoughtful and well-articulated presentations of research.
PO's	Students are able to understand the philosophy of Indian Economy.
PO's	Students enable to appreciate the socio-economic factors which lead to the developing economy
PO's	Students are enabled to develop and be able to Financial Literacy.

> Programme Outcomes: B. A. Education :-

Sr. No.	PO's
PO 1	Understand various educational issues in the context of diverse socio cultural & Multilingual Indian Society
PO 2	Understand the nature, purpose, influencing factors and problems of secondary education in contemporary issues

PO 3	Understands various level learners, their needs, and interests and peculiar problems and motivates them for learning.
PO 4	Enable them to face the challenges of social, political and technological issues.
PO 5	Describe the teaching learning process in the classroom and various factors that influence it.
PO 6	Plan and organize the classroom through learners centered techniques of instruction for inclusive education & effective whole classroom instruction.

➤ Programme Outcomes: M.A. History :-

After successful completion of three-year degree program in History a student should be able to

Sr. No.	PO's
PO's	The papers framed for this program are in accordance with the norms of CBCS pattern.
PO's	Selection of contents in all the courses will help the students to comprehend the worldly wisdom and commercial perception which will ultimately lead them to be successful and enjoy quality life.
PO's	The special papers will open up traditional job opportunities for the students but the papers of skill and ability enhancement will open up corporate, govt. and private sectors for the students of History subject.

➤ Programme Specific Outcomes: M.A.History:-

Sr. No.	PSO's
PSO1	Understand the background of our religion, customs institutions, administration and so on.
PSO2	Understand the present existing social, political, religious and economic conditions of the people.
PSO3	Analyzing the relationship between the past and the present is lively presented in history.
PSO4	Develop practical skills helpful in the study and understanding of historical events.

➤ **Department of Chemistry**

➤ **Programme Outcomes: B.Sc. Chemistry:-**

After successful completion of three-year degree program in Chemistry a student should be able to

Sr. No.	PO's
PO's	Apply knowledge of Chemistry to become a competent teacher at local and national level.
PO's	Identify and solve complex scientific problems in research at national and international level.
PO's	Investigate chemical problems using scientific tools for analysis and interpretation of data.

PO's	Select, design and apply appropriate experiment techniques along with IT tools to solve chemical problems.
PO's	Comprehend to apply contextual multi-disciplinary knowledge to assess societal, health, safety, and cultural issues relevant to the science practices.
PO's	Adopt scientific concepts relating to environmental usage and sustainable development.
PO's	Follow the ethical principles and responsibilities of a chemist to serve the society.
PO's	Communicate effectively through report writing, documentation and effective presentations.
PO's	Function effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.

PO's	Engage in independent and lifelong learning in science, technological changes and related matters.
PO's	Enhance skills for future employability through activities such as seminar, communication skills, industrial visit, and internship.
PO's	Recapitulate the courses in chemistry required for competitive examination.

➤ **Programme Specific Outcomes: B.Sc. Chemistry:-**

Sr. No.	PSO's
PSO1	Developed students with the skills required to succeed in graduate school, the chemical industry or professional school.

PSO2	To expose the students to a breadth of experimental techniques using modern instrumentation.
PSO3	The student will understand the importance of the Periodic Table of the Elements, how it came to be, and its role in organizing chemical information.
PSO4	The student will understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics and other disciplines to a wide variety of chemical problems.
PSO5.	The student will learn the laboratory skills needed to design, safely conduct and interpret chemical research.
PSO6.	The student will acquire a foundation of chemistry of sufficient breadth and depth to enable them to understand and critically interpret the primary chemical literature.

➤ Department of Computer Science

➤ Programme Outcomes: B.Sc. Computer Science:-

After successful completion of three-year degree program in Chemistry a student should be able

Sr.No.	PO's
PO's	Serve as the programmers or the software engineers with the sound knowledge of practical and theoretical concepts for developing software.
PO's	Serve as the computer Engineers with enhanced knowledge of computers and its building blocks.
PO's	Work as the Hardware Designers/Engineers with the knowledge of Networking concepts
PO's	To give Technical support for the various systems.
PO's	Work as the support Engineers and the Technical writers work as consultant and management officers for system management.

PO's	Serve as the IT officers in Banks and cooperative societies.
PO's	Work as a DTP operator in small-scale industries.
PO's	Serve as the web designers with the latest web development technologies.

➤ Programme Specific Outcomes for B.Sc. Computer Science:-

Sr. No.	PSO's
PSO1	Apply fundamental principles and methods of Computer Science to a wide range of applications.
PSO2	Design, correctly implement and document solutions to significant computational problems.
PSO3	Impart an understanding of the basics of our discipline
PSO4	Prepare for continued professional development
PSO5.	Develop proficiency in the practice of computing.

➤ Department of Information Technology

➤ Programme Outcomes: B.Sc. Information Technology:-

After successful completion of three-year degree program in Chemistry a student should be able to

Sr. No.	PO's
PO's	Design and develop software solutions for contemporary business environments by employing appropriate problem solving strategies.
PO's	Comprehend and resolve common desktop and network issues.

PO's	Analyze common business functions and identify, design, and develop appropriate information technology solutions (in web, desktop, network, and/or database applications).
PO's	Learn future technologies through acquired foundational skills and knowledge and employ them in new business environments.
PO's	Practice communication, problem solving and decision-making skills through the use of appropriate technology and with the understanding of the business environment.
PO's	An ability to design a system, component or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, healthy and safety, manufacturability and sustainability.
PO's	An ability to acquire required programming skills, formulate and solve practical problems.

➤ Programme Specific Outcomes: B.Sc. Information Technology:

Sr. No.	PSO's
PSO1	To transform and empower women graduates to meet global challenges through holistic education in terms of recent Teaching-Learning methodologies.
PSO2	To groom the graduates towards excellence through building communication skills, handling leadership challenges.
PSO3	To heighten the conscious of the graduates on socio-economic concern and to inculcate moral and ethical values to chisel them as better human being

PSO4	To train the student on the state-of-the-art tools and techniques and facilitate them to comprehend, analyze, design and create feasible solutions/innovative products for real life problems
PSO5	To pursue higher studies with good knowledge in core areas of Information Technology, by being aware of modern tools, techniques and good interpersonal skills.

Department of Microbiology

➤ Programme Outcomes: B.Sc Microbiology

Sr. No.	PO's
PO's	Students of the B.Sc. Microbiology programme will learn to use scientific logic as they explore a wide range of contemporary subjects spanning various aspects of basic microbiology
PO's	Students will appreciate the biological diversity of microbial forms and be able to describe/explain the processes used by microorganisms for their replication, survival, and interaction with their environment, hosts, and host populations.
PO's	Students will gain knowledge of various biotechnological applications of microorganisms and will learn of industrially important substances produced by microorganisms.
PO's	Students will become familiar with scientific methodology, hypothesis generation and testing, design and execution of experiments.
PO's	Students will develop the ability to think critically and to read and analyze scientific literature.

➤ Programme Specific Outcomes: B.Sc Microbiology

Sr.No.	PSO's
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PSO1	Understand fundamental principles involved in Microbiology
PSO2	Acquire detail knowledge of microorganisms, their types and significance
PSO3	Understand metabolic and structural significance of biomolecules
PSO4	Acquaint with concepts of Immunity, Antigen, Antibody and Immune system
PSO5	Acquire detail knowledge of industrial production of enzymes, antibiotics and vitamins

➤ **Programme Outcomes: B.Sc. Physics:-**

After successful completion of three-year degree program in Physics a student should be able to

Sr. No.	PO's
PO's	Demonstrate and think in depth to understand the minor and major concepts in scientific and technological aspects in all disciplines of physics.
PO's	Enrich the knowledge through problem solving and also think methodically to draw a logical conclusion.
PO's	Develop analytical abilities towards real world problems and create an awareness of the impact of Physics on society.
PO's	Develop awareness to use modern techniques, decent equipment, and also the scientific knowledge to design, record and analyze the results of Physics experiments.

➤ **Programme Outcomes: B.Sc. Mathematics:**

After Taking Mathematics in F.Y.B.Sc & S.Y.B.Sc our program mission is

Sr. No.	PO's
PO's	To equip students with analytic and problem-solving skills for careers and graduate work.
PO's	Students will be well grounded in the basic manipulative skills level of algebra, geometry, trigonometry and beginning level calculus.
PO's	Be able to transmit mathematics ideas both orally and in writing.
PO's	Investigate and solve unfamiliar math problems.
PO's	Investigate and apply mathematical problems and solutions in a variety of contexts
PO's	Scientific temper will be developed in Students.
PO's	Students will acquire basic Practical skills & Technical knowledge along with domain knowledge of different subjects in the science stream.
PO's	Apply mathematical methods involving arithmetic, algebra, geometry, and graphs to solve problems.
PO's	Students will possess basic subject knowledge required for higher studies.
PO's	Professional and applied courses like Mathematics, Financing, Banking, Competitive Exam etc.
PO's	Represent mathematical information and communicate mathematical reasoning symbolically and verbally.

➤ Programme Outcomes: B. Sc Zoology: -

After successful completion of three-year degree program in Zoology a student should be able to

Sr. No.	PO's
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PO's	Possess a good command of fundamentals in Zoology and its relationship to other disciplines.
PO's	Memorize the concepts of laboratory management, organization and evaluation.
PO's	Recognize the management and concepts of bio-systems, organization and evaluation.
PO's	Design and conduct experiments in Zoology
PO's	Outline the policy and legislation of animal Science and ethics.
PO's	Communicate effectively through writing reports, giving presentations, and participating in discussions

> Programme Outcomes: B. Sc Electronics

Sr. No.	PO's
PO's	Ability to apply knowledge of mathematics & science in solving electronics related problems.
PO's	Ability to design and conduct electronics experiments, as well as to analyze and interpret data
PO's	Ability to design and manage electronic systems or processes that conforms to a given specification within ethical and economic constraints
PO's	Ability to identify, formulate, solve and analyze the problems in various disciplines of electronics.
PO's	Ability to function as a member of a multidisciplinary team with sense of ethics, integrity and social responsibility
PO's	Ability to communicate effectively in term of oral and written communication skills

PO's	Ability to use techniques, skills and modern technological/scientific/engineering software/tools for professional practices.
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