



**M.V.P. SAMAJ's**

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**Arts, Science and Commerce College, Satana, Dist. Nashik**

**(Internal Quality Assurance Cell)**

**Program Outcomes**  
**and**  
**Course Outcomes**  
**(2018-2019)**



## U.G. PROGRAM OUTCOME

### PROGRAMME - BACHELOR OF ARTS (B.A.)

Student seeking admission for B.A. programme is expected to imbue with following quality which help them in their future life to achieve the expected goals.

- a. Realization of human values.
- b. Sense of social service.
- c. Responsible and dutiful citizen.
- d. Critical temper
- e. Creative ability.

### Course Outcomes - B.A. MARATHI

- a. Creating an interest in literature.
- b. Availing the job opportunities in translation, transformation and media.
- c. Developing language.
- d. Increasing the critical attitude about literary studies.
- e. Imbuing the literary research attitude.

### Course Outcomes - B.A. HINDI

- a. Developing reading, writing, speaking and listening skills.
- b. Availing the job opportunities in translation.
- c. Increasing the critical attitude about literary writing.
- d. Creating an interest in literature.
- e. Imbuing the literary research attitude.

### Course Outcomes - B.A. ENGLISH

- a. A student, who has taken admission into this program of B.A with English as specific subject of study, is expected to target on following outcomes. a. Basic knowledge of English as Language.
- b. Major knowledge of English as Literature.
- c. Basic knowledge of English Grammar.
- d. Critical study of English Literary studies.



e. Relation between pleasure of literature and real life.

#### **Course Outcomes - B.A. ECONOMICS**

- a. Understanding how different degrees of competition in a market affect pricing and output. b. Understanding the efficiency and equity implications of market interference, including government policy.
- c. Developing research knowledge in economics.
- d. Developing the skill of data collection & use of sampling techniques in research.
- e. Developing the knowledge about theories of economic growth & development and issues of economic planning.
- f. Creating awareness about changing macro-economic policies and theories.

#### **Course Outcomes - B.A. History**

- a. Develop historical research questions, formulate appropriate research strategies, and critically evaluate evidence about the past;
- b. Develop and defend historical arguments, demonstrating an understanding of different theoretical approaches to historical interpretation;
- c. Effectively communicate, in clear and convincing prose, an understanding of the causes of historical change;
- d. Evaluate the influence of new digital and multimedia formats on the practice and presentation of history; and
- e. Describe several varieties of experience found in the historical record and explain why diversity is a critical component of history.

#### **Course Outcomes - B.A. POLITICAL SCIENCE**

- a. Knowledge about political system of the nation.
- b. Study of national and international political affairs.
- c. Study from competitive examination point of view.
- d. Understanding the government mechanism, its functions, duties and responsibilities.
- e. Creating appropriate and efficient political leaders.
- f. Getting knowledge of political law.



- g. Getting knowledge of Constitution of India.

#### **Course Outcomes - B.A. GEOGRAPHY**

- a. Serve as a Geographer
- b. Work as a teacher in schools and high schools
- c. Serve as conservator in forest, Soil, Agri, Departments.
- d. Work in disaster and water resources management.
- e. Serve in forest department as forest conservator.
- f. Serve in cartographer in map making divisions of Government.
- g. Work in NGOs.
- h. Can Prepare for Competitive exams.

#### **PROGRAMME - BACHELOR OF SCIENCE (B.Sc.)**

##### **Program Outcomes**

Students taking admission to this program of B.Sc. are expected to get equipped with following outcomes:

- a. Explaining the basic scientific principles and methods .
- b. Inculcating scientific thinking and awareness among the student.
- c. Ability to communicate with others in regional language and in English.
- d. Ability to handle the unexpected situation by critically analyzing the problem. e.
- e. Understanding the issues related to nature and environmental contexts and sustainable development.

##### **Course Outcomes - B. Sc. Chemistry**

- a. Creating interest in environmental issue.
- b. Increasing working knowledge of instruments.
- c. Obtaining the knowledge of pharmaceutical tables
- d. Social awareness about the quality of water.
- e. Increasing the practical skill of the students



- f. Awareness about plastic garbage.

#### Course Outcomes -- B. Sc. MICROBIOLOGY

- a. Understanding about cultivating the pure bacterial cultures from soil, water, air, milk, etc.
- b. Ability to use laboratory instruments like spectrophotometer, colorimeter, LAF, PH meter, Electrophoresis, Compound microscope, Centrifuge.
- c. Preparing for a career in a pharmacy and medical related business or industries.
- d. Ability to plan the small-to-mid-size laboratories and industries of their own.
- e. Effectively utilizing the knowledge of microorganisms to develop sustainable solutions to current and future environmental problems.
- f. Developing and implementing solution based systems and/or processes that address issues and/or improve existing systems within a microorganism based industries.

#### Course Outcomes -- B. Sc. Computer Science

- a. Effectively communicating computing concepts and solutions to bridge the gap between computing industry experts and business leaders to create and initiate innovation.
- b. Ability to use approximately system design notations and apply system design engineering process in order to design, plan and implement software systems.
- c. Preparing for a career in an information technology oriented business or industry or for graduate study in computer science or other scientific or technical fields.
- d. Ability to complete successfully to program small –to-mid-size programs on their own.
- e. Effectively utilizing the knowledge of computing principles and mathematics theory to develop sustainable solutions to current and future computing problems.
- f. Developing and implementing solution based system and/or process that address issues and/or improve existing systems within a computing based industry.

#### Course Outcomes -B. Sc. Mathematics

- a. Ability to calculate and reason to design complex and critical financial models for Bank and Insurance Companies.
- b. Ability to understand both concrete and abstract problems.



- c. Ability to make critical observations.
- d. Ability to accurately organize, analyze and interpret data.
- e. Develop the mathematical logic which is very useful for solving mathematical reasoning problems.

#### **Course Outcomes -- B. Sc. Physics**

- a. Identifying and describing physical systems with their professional knowledge.
- b. Developing their scientific intuition, ability and techniques to tackle problems either theoretical or experimental in nature.
- c. Knowledge of general physics like sound, wave, friction, forces and laws of motion and use of mathematics.
- d. Information of electrical current, circuits, construction and their use.
- e. Learning about concepts of nuclear physics and nuclear energies and importance of their use for mankind.
- f. Knowing about the light and its importance in life, its characteristics, properties and use in various instruments

#### **Course Outcomes - B. Sc. BOTANY**

- a. Identifying different resources helpful for human life.
- b. Identifying different groups of plants
- c. Acquiring knowledge about inheritance, biochemical and metabolic activities.
- d. Development of horticultural skill.
- e. Acquiring knowledge about importance of environment.

#### **Course Outcomes - B. Sc. ZOOLOGY**

- a. Improving the knowledge about criteria for animal classification.
- b. Study of salient features of chordates and non-chordates.
- c. Improving the knowledge of animals about their special adaptations and evolutionary relationship.
- d. Scientific study of their nature of habitant with environment.



- e. Improving information about external morphology and anatomy of animals including human being.

## **BACHELOR OF COMMERCE (B.COM)**

### **Program Outcomes**

Students who have taken admission to this program of B.Com are expected to concentrate upon the following outcomes.

- a. Commercial sense.
- b. Develop managerial skills.
- c. Entrepreneurial skill.
- d. Budgeting policy.
- e. Human Resources Management.
- f. Develop Numerical ability.
  - i. Well versed with business regularity framework.

## **P.G. PROGRAM OUTCOME**

### **PROGRAMME – Master of Science (M.Sc.)**

MSc degree program translates to making a significant investment in one's professional career.

- a) To the enhanced career prospects that can be gained by taking a Master of Science.
- b) Valuable personal skills and fulfil a crucial prerequisite to PhD study.
- c) Candidates normally have to do independent research and present a thesis as requirement for graduation.
- d) An understanding of professional, ethical, legal, security and social issues and responsibilities.

### **M.Sc. Computer science**

- a. Communicate computer science concepts, designs and solutions effectively and professionally.
- b. Apply knowledge of computing to produce effective designs and solutions for specific problems.



- c. Identify, analyse and synthesize scholarly literature relating to the field of Computer Science.
- d. Use software development tool, software systems, and modern computing platforms.
- e. Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.
- f. Lifelong learning – Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.
- g. Drives scientific and societal advancement through technological innovation and entrepreneurship.

#### M.Sc. Chemistry

- a. Gains complete knowledge about all fundamental aspects of all the elements of chemist.
- b. Understands the background of organic reaction mechanisms, complex chemical structures, instrumental method of chemical analysis, molecular rearrangements and separation technique.
- c. Gathers attention about the physical aspects of atomic structure, dual behavior, reaction pathways with respect to time, various energy transformations, molecular assembly in Nano level, significance of electrochemistry, molecular segregation using their symmetry.
- d. Carry out experiments in the area of organic analysis, estimation, separation, derivative process, inorganic semi micro analysis, preparation, conductometric and potentiometric
- e. Think critically and can analyse chemical problems.
- f. Present scientific and technical information resulting from laboratory experimentation in both written and oral formats.
- g. Work effectively and safely in a laboratory environment.
- h. Use technologies / instrumentation to gather and analyse data.
- i. Work in teams as well as independently.
- j. Apply modern methods of analysis to chemical system in a laboratory setting.

#### M.Sc. Microbiology

- a. Gains complete knowledge about all fundamental aspects of all the elements of microbiologist.





- b. Understands the background of Genetics, Immunology, Biochemistry, Microbial Technology methods.
- c. Gathers attention about the cellular metabolism, behavior of cell in various environments, reaction pathways with respect to time, various chemical and molecular transformations, significance of immunochemistry.
- d. Carry out experiments in the area of pharmaceutical sciences, estimation, separation, derivative process from natural herbs.
- e. Think critically and can analyse microbial problems.
- f. Present scientific and technical information resulting from laboratory experimentation in both written and oral formats.
- g. Work effectively and safely in a laboratory environment.
- h. Use technologies / instrumentation to gather and analyse data.
- i. Work in teams as well as independently.
- j. Apply modern methods of analysis to chemical system in a laboratory setting.

#### **M.Sc. Botany**

- a. Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- b. Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- c. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- d. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
- e. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
- f. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio- technological changes

#### **M.Sc. Zoology**



- a. Developing deeper understanding of key concepts of biology at biochemical, molecular and cellular level, physiology and reproduction at organismal level, and ecological impact on animal behavior.
- b. Elucidation of animal-animal, animal-plant, animal-microbe interactions and their consequences to animals, humans and the environment.
- c. Strengthening of genetics and cytogenetics principle in light of advancements in understanding human genome and genomes of other model organisms.
- d. Description of expression of genome revealing multiple levels of regulation and strategies to manipulate the same in the benefit of the mankind.
- e. Learning handling DNA sequence data and its analysis which equip students to get employed in R&D in the industry involved in DNA sequencing services, diagnostics, and microbiome analysis.
- f. Understanding relationships of variations in phenotypic expression of genomes and their genome wide interaction with other organisms.
- g. Development of an understanding of zoological science for its application in medical entomology, apiculture, aquaculture, agriculture and modern medicine.
- h. Development of theoretical and practical knowledge in handling the animals and using them as model organism
- i. Maintenance of high standards of learning in animal sciences

#### Master of Arts (M.A.)

- a. The students acquire in depth knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough to solve the issues related with mankind.
- b. The postgraduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking of their respective subjects.
- c. The program also empowers the post-graduates to appear for various competitive examinations or choose the any post graduate or research programme of their choice.
- d. The M. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.



- e. The students will be ignited enough through the knowledge of the special PG programme to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.
- f. Through the PG programme the students will come know about research in their respective subject. It may also provide the information to the students for collection of Data, enquiry, primary and secondary methods of collection of data, classification and tabulation of data.
- f. Students get knowledge of various research methods and can realize the importance of research to find solutions of a specific issue.

#### M.A. English

- a. Understand and learn the literary works on the basis of the foundation laid by the scholars. Strengthen their language competency. Assist them in understanding of extended frontiers of language and literature.
- b. To write and speak English correctly
- c. To understand culture and society
- d. To learn democratic principles and language of law and governance
- e. To understand global culture
- f. To appreciate films and fine arts
- g. To apply the knowledge of language in learning other foreign languages
- h. To apply the knowledge of language in acquiring higher status in the society

#### M.A. Hindi

- a. Study of Indian literature helps the students to understand the Indian culture and civilization.
- b. Develop self-confidence and awareness of general issues prevailing in the society.
- c. Develop social and cultural conscious, critical thinking, enhancing the values of justice, equality and liberty.
- d. Write competitive examinations for securing jobs as teachers, official language officers, Hindi officers in government or other public/ private sectors etc.



e. It helps the students to get into different jobs like Asst. Professor in colleges, teacher in plus two, translator posts, official language officer posts etc...Its advanced courses are M.Phil. and Ph. D in Hindi.

#### **M.A. Marathi**

- a. To introduce new trends in Marathi literature to know the importance of criticism.
- b. To increase vision regarding literary value.
- c. To know the concept and process of literature.
- d. To know the importance of language in human life.
- e. To understand the communication process and method.
- f. Understand the tradition of researchers in Marathi literature .
- g. To prepare for the examinations like NET/SLET 2.
- h. To inculcate moral values in order to strengthen the society.

#### **M.A. Economics**

- a. Students analyze economic information and develop solutions to economic problems.
- b. Students recognize that although economists address economic problems with a common approach, the science is ever changing, and one's approach must be regularly evaluated and updated.
- c. Students learn to apply methods of analysis and presentation of results that are commonly used in the profession in order to generate conclusions that are transparent and well supported by the research process.
- d. Students able to explain what is meant by economic efficiency and the mechanism by which competitive markets lead to an efficient allocation of resources.
- e. Students can discuss the costs and causes of unemployment, and assess public policies to ameliorate it.
- f. To face any competitive exam like M.P.S.C., U.P.S.C., I.B.P.S., P.O., I.F.S. etc 2. To determine economic variables including inflation, unemployment, poverty of India, G.D.P., Balance of payments using statistical methods 3. To master the general ability of analyzing economic issues and problems 4. To understand the behavior of financial and money markets and perform cost benefit analysis for making investment 5. To understand the banking system of the economy.

#### **M.A. Political Science**

- a. Develop the ability to use critical, analytical, and reflective thinking and reasoning



- b. Reflect on social and ethical responsibilities in his/her professional life.
- c. Gain experience and confidence in the dissemination of project/research outputs
- d. Work responsibly and creatively as an individual or as a member or leader of a team and in multidisciplinary environments.
- e. Communicate effectively by oral, written, graphical and technological means and have competency in English.
- f. Independently reach and acquire information, and develop appreciation of the need for continuously learning and updating.

#### **M.A. History**

- a. The ability to reflect deeply on historical knowledge and to demonstrate an awareness of current historical debates.
- b. The ability to write and speak about the past in good English, showing an awareness of History as a literary discipline and a developing sense of literary style.
- c. The ability to use a wide range of bibliographical tools (on paper and in electronic form) to locate and critically evaluate appropriate sources and materials for the advanced study of history.
- d. The ability to locate and critically evaluate archival, printed or electronic source-material for the investigation of specific historical questions.
- e. The ability to formulate and sustain independent historical arguments, to provide appropriate evidence to support them, including quantitative and visual evidence, and to reference the sources of the evidence used.
- f. The ability to respond constructively to debate and criticism.
- g. Effective skills in oral communication to specialist and non-specialist audiences.
- h. skills in effective time management, including the ability to work productively alone.
- i. Familiarity with a variety of ICT skills, encompassing a range of bibliographical, statistical and other computer programs and their application, as well as electronic sources for research.

#### **M.A. Geography**



- a. Understand the physical basis of the natural greenhouse effect, including the meaning of the term radioactive forcing.
- b. Know something of the way various human activities are increasing emissions of the natural greenhouse gases, and are also contributing to sulphate aerosols in the troposphere.
- c. Demonstrate an awareness of the difficulties involved in the detection of any unusual global warming signal above the background noise of natural variability in the Earth's climate.
- d. Understand that although a growing scientific consensus has become established through the IPCC, the complexities and uncertainties of the science provide opportunity for climate sceptics to challenge the Panel's findings.
- e. On successful completion of this course, students should be able to understand the mean global atmospheric circulations and disturbances, world climate systems, climatic variability and change.

#### Master of Commerce ( M.Com.)

The post graduate program provides the students advanced knowledge in the field of business and management and also enables the students to acquire the basic skills required for carrying out business activities, research, stock market operations, accounting practices, etc. The program also provides them with adequate knowledge and skill to provide consultancy services in finance and marketing. Similarly after completion of the program students can confidently prepare for NET, SET, and other competitive examinations of their choice.

- a. To understand the concepts of co-operation and co-operative movements
- b. To acquire the knowledge about market, marketing information system and transportation in 21st century
- c. To learn the basic management concepts and process
- d. To acquire the knowledge about the modern trends in the management
- e. To apply the techniques of micro and macro-economics for decision making in job/business
- f. To understand the concepts and procedures in cost accounting system and make use of expert knowledge of costing data for decision making and control
- g. To acquire research skills

  
Coordinator

  
IQAC Coordinator  
Karm. Abasaheb Alias N. M. Sonawane  
Art's, Science & Commerce College Satana, (Nashik)

  
Principal  
Karm. Abasaheb Alias N. M. Sonawane  
Art's, Science & Comm. College, Satana  
Tal. Baglan Dist. Nashik (Maharashtra)



Seal of the College

Date: 18<sup>th</sup> August 2018