

Shri Marutrao Ghule Patil Shikshan Sanstha,

Jijamata College of Science and Arts

At/Po- Bhende, Dist:Ahmednagar Tal:Newasa

(Internal Quality Assurance Cell)

Program Outcomes

and

Course Outcomes

(2020-2021)

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.
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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. 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.

Course Outcomes - B.A. PSYCHOLOGY

- a. Enhancement of stress management skills.
- b. Enhancement of coping skill with different problems in life.
- c. Enabling to measure attitude, aptitude, interest, adjustment, skills etc. within the people.

- d. Introduction to counseling process and techniques.
- e. Illustration of mental disorder and treatment

Course Outcomes - B.A. HISTORY

- a. The history of Early India is a crucial part of Indian history. It is a base for understanding the entire Indian history.
- b. The course is aimed at helping the student to understand the history of early India from the prehistoric times to the age of the Mauryas.
- c. It attempts to highlight the factors and forces behind the rise, growth and spread of civilization and culture of India along with the dynastic history.
- d. It also attempts to help the students to understand the contribution of Early Indians to polity, art, literature, philosophy, religion and science and technology.
- e. It also aims to foster the spirit of enquiry among the students by studying the major developments in early Indian history.

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. 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. 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. Chemistry

- a) Gains complete knowledge about all fundamental aspects of all the elements of chemistry.
- 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 behaviour, 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. Botony

- a) Understand the scope and significance of the discipline.
- b) Imbibe love and curiosity towards nature through the living plants.
- c) In order to make students open-minded and curious, we try our best to enhance and develop a scientific attitude.
- d) We make the students fit for the society by enabling them to work hard.
- e) Make the students exposed to the diverse life forms.
- f) Make them skilled in practical work, experiments, laboratory equipment and to interpret correctly on biological materials and data.
- g) Develop interest in Biological research.
- h) Encourage the students to do research in related disciplines.

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.
- g. Students get knowledge of various research methods and can realize the importance of research to find solutions of a specific issue.

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 behaviour of financial and money markets and perform cost benefit analysis for making investment 5. To understand the banking system of the economy