



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya Daryapur. Dist. Amravati (MH)



Website: www.jdpsd.org

NACC Reaccredited with Grade 'B'

College code: 107

President
Hon'ble Harshvardhan P. Deshmukh

Officiating Principal
Dr. D. S. Thakare
M. Sc. (PHY), Ph. D.

Founder President
Dr. Panjabrao Alias Bhausaheb Deshmukh

Outward No. JDPS/ 241/2021

Sr. College No. 107 / Jr. College No. J02.12.002

Date -24/ 05 / 2021

Declaration

With reference to the clarification request of 2.6.1 regarding submitted AQAR 2019-20 received from NAAC Bengaluru, we undersigned would like to inform you that program outcomes (POs), program specific outcomes (PSOs) and course outcomes (Cos) for all programs offered by the institution are stated and displayed in website of the institution with head of the institution seal and signature. POs, PSOs and COs for all programs offered by the institution are stated in accordance with the syllabi prescribed by Sant Gadge Baba Amravati University, Amravati (<https://www.sgbau.ac.in/Syllabus/syllabus.aspx>). The attainments of POs, PSOs and COs are discussed in the meetings of IQAC, Staff Council and College Development Committee. The assessment of POs, PSOs and Cos are analyzed through various methods to improve teaching-learning process. Various methods of analysis include performance of students in University examinations, students' performance in projects, assignments, practical and internal examinations, feedback of students, and students' participation in curricular and extracurricular activities.



Dr. D. S. Thakare
Principal
J. D. Patil Sangludkar
Mahavidyalaya, Daryapur

Program Outcomes, Program Specific Outcomes and Course Outcomes

POs, PSOs & Cos of J. D. Patil Sangludkar Mahavidyalaya,

Daryapur, Dist. Amravati

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.

Program Outcomes (POs) of Bachelor of Commerce

After the completion of B. Com. Program the students will be able:

1. To understand and acquire knowledge of management principles, banking and insurance transactions, business economics and financial management.
2. To acquire various techniques of business communication and correspondence.
3. To acquire the skills required for doing business and commercial activities of their own choice.
4. To acquaint with various fields of accounts, finance, cooperation, e-commerce, marketing and salesmanship.
5. To develop numerical ability.
6. To calculate various taxes in relation to taxation policies.

Program Outcomes, Program Specific Outcomes and Course Outcomes

Program Outcomes (POs) of Bachelor of Science

After the 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.

Program Outcomes (POs) of Master of Arts (M.A. Marathi)

After the completion of M.A. Marathi the students will be able:

1. To make use of Marathi for creative writing.
2. To familiarize with the literary studies.
3. To give proper direction to the society through literature.
4. To conserve the various dialects of Marathi language.
5. To prepare for the examinations of SET/NET.
6. To produce valuable knowledge in Marathi.

Program Outcomes (POs) of Master of Arts (M.A. Music)

After the completion of M.A. Music the students will be able:

1. To understand basic concept of ragas.
2. To become proficient in stage performance.
3. To make career in the field of music.
4. To understand various ragas of Indian Music.
5. To familiarize with the history of ancient Indian Music.
6. To prepare for the examinations of SET/NET.

Program Outcomes, Program Specific Outcomes and Course Outcomes

Program Outcomes (POs) of Master of Arts (M.A. History)

After the completion of M.A. History the students will be able:

1. To acquire knowledge of Ancient India, History of India and History of Marathas.
2. To acquire knowledge of women in Indian History and social movement in Maharashtra.
3. To acquire a clear understanding of evidence collected from various historical sources.
4. To prepare for various competitive examinations.
5. To make career in the field of cultural heritage.
6. To identify a particular area of historical enquiry and engage in independent historical research work.

Program Specific Outcomes (PSOs):

PSOs of B.A. Compulsory 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.

PSOs of B.A. English Literature:

- 1) To develop critical and creative skills of the students.
- 2) To familiarize the students with major writers of English literature.
- 3) Impart knowledge of literary forms, movements and trends of English literature.
- 4) Critical appreciation of literature.

Program Outcomes, Program Specific Outcomes and Course Outcomes

5) An understanding of relationship between literature and real life.

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 exists 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.

PSOs of B.A. History:

- 1) To understand the importance of past in exploration of the present context.
- 2) To make the students familiar with World history and its impact on India.
- 3) To understand the process of colonialism in different parts of the world.
- 4) To familiarize the students with the significance of peace for humanity.
- 5) To understand the socio-economic, political, religious and cultural background of various historical periods.
- 6) To familiarize the students with various political movements and growth of nationalism in different parts of the world.

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.

Program Outcomes, Program Specific Outcomes and Course Outcomes

- 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.

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.

PSOs of B.A. Marathi Literature:

- 1) To acquaint students with various branches and movements of Marathi literature.
- 2) To provide basic knowledge of Marathi literature.
- 3) To generate interest in Marathi literature.
- 4) To enable the students to analyze, evaluate and appreciate literary texts.
- 5) To increase the critical attitude about literary studies.
- 6) To familiarize the students with major Marathi writers and works.

PSOs of B.A. Music:

- 1) To familiarize the students with basic concept of various ragas.
- 2) To provide detailed knowledge of various musical instruments.
- 3) To understand various aspects of Indian Music.
- 4) To enable the students to understand the role of Bhakti Sangeet and Bhakti Geet in human life.
- 5) To familiarize the students with basic concepts of swar, tal and laya.

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6) To familiarize the students with great musicians.

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.

PSOs of Bachelor of Commerce:

- 1) To understand relevant advanced accounting career skills.
- 2) To know business management concept and functions of management.
- 3) To develop awareness about new trends in business communication.
- 4) To pursue higher education and make research in the field of finance and commerce.
- 5) To acquire subject skills with relation to finance, accounting, auditing and taxation, business statistics, Indian insurance system, Indian financial system, company law, computer fundamentals and business environment.
- 6) To learn and apply subject skills to work in various fields as banking, insurance, accounting, auditing and taxation.
- 7) To help the students to qualify various competitive examinations.

PSOs of Zoology:

- 1) To acquire knowledge about entire invertebrates in Animal kingdom
- 2) To understand various aspects of cell and developmental biology.

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- 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.

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 experiments and report results from these experiments.
- 4) To understand chemical 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.

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

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<p>renewable sources of energy.</p> <p>6) To make students familiar with the concept of Statistical Mechanics and Solid-state physics.</p>
PSOs of Botany:
<ol style="list-style-type: none">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.
PSOs of Mathematics:
<ol style="list-style-type: none">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.
PSOs of Microbiology:
<ol style="list-style-type: none">1) To understand the importance and applications of microbiology in our life.2) To identify and name microorganisms with their genus and species.

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- 3) To understand the diversity in microbiology and know the scope of Microbiology.
- 4) To make the students familiar with Milk microbiology, Food microbiology as well as concepts related to geo-microbiology and nanotechnology.
- 5) To understand the concepts related to cells and organs and immunodeficiency.

PSOs of Master of Arts (Marathi):

- 1) To develop literary sensibility and emotional response to the literary texts and inculcate sense of appreciation of literary texts.
- 2) To make the students familiar with the nature of folk literature and its types.
- 3) To enable the students to analyze the process of literary appreciation.
- 4) To generate interest in modern Marathi literature.
- 5) To make the students familiar with literary classics of different historical periods.
- 6) To introduce literature and society through home assignments and projects.
- 7) To arouse social and cultural sensibility of students through literature.

PSOs of Master of Arts (Music):

- 1) To make the students familiar with various ragas of Indian Music.
- 2) To generate interest in Indian Music and Classical Music.
- 3) To train the students for stage performance.
- 4) To understand the history of ancient Indian Music and Science.
- 5) To understand the concepts of functional science of music and musical composition.
- 6) To learn the functional theories of classical music.

PSOs of Master of Arts (History):

- 1) To understand history and its forces in a better way.
- 2) To acquire knowledge of Ancient India from Earliest time to 1206 A. D.
- 3) To acquaint the students with India under the Sultanate Period and India under the

Program Outcomes, Program Specific Outcomes and Course Outcomes

Mughals.

- 4) To introduce trends and theories of History.
- 5) To learn and understand History of India and History of Marathas.
- 6) To understand the concept of Heritage Tourism.

Course Outcomes (COs):

COs of B.A. Compulsory English:

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

- To acquire overall linguistic competence and communicative skills.
- To do interpersonal communication and casual conversation.
- To develop reading, writing, speaking and listening skills in 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.

COs of B.A. English Literature:

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

- To become competent users of English in real life situations.
- To understand various literary forms, literary theories and trends of English literature.
- To understand major movements and figures of English literature.
- To appreciate and analyze literary texts.
- To acquire literary and linguistic competence.
- To understand the artistic use of language employed by different writers.

COs of B.A. Political Science:

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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.

COs of B.A. History:

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

- To understand history of Ancient India and the civilizations like Indus and Aryan.
- To get information about Maurya, Gupta, Vardhana empires as well as Sultanate Shahi and Mughal Empire.
- To understand the rise of British Empire in India.
- To understand the significance of national Movement in India.
- To understand the causes of World War I and World War II.
- To face various competitive examinations.
- To understand the basic concepts, concerns and framework of Indian history and World history.

COs of B.A. Economics:

Program Outcomes, Program Specific Outcomes and Course Outcomes

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.

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.

COs of B.A. Marathi Literature:

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

- To get basic knowledge of Marathi literature.
- To analyze, evaluate and appreciate literary texts.
- To acquire overall linguistic competence and communicative skills.
- To acquire information of major Marathi writers and their works.
- To get information of critical theories of Marathi literature.
- To develop ability for comprehensive study of literature.

Program Outcomes, Program Specific Outcomes and Course Outcomes

COs of B.A. Music:

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

- To obtain theoretical aspects of various ragas.
- To become familiar with diverse aspects of Indian Music.
- To become familiar with great musicians of India.
- To obtain information of various forms of Indian Music.
- To obtain information of various musical instruments.
- To give practical demonstration of various ragas.

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.

COs of Bachelor of Commerce:

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

- To obtain basic information of computer.
- To obtain the information of Advanced Accountancy, the principles of Business Organization and Business Management.
- To understand the concepts of corporate accounting and management accounting.
- To use mathematical tools and concepts of statistics in business.

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- To understand diverse aspects of Indian Banking System and Indian Insurance System.
- To understand the methods of auditing and their application.
- To understand the Business Environment and its factors.
- To acquire various soft skills and new technologies in business communication.
- To understand the fundamentals of Company Law and new concepts in company law regime.
- To understand the concepts of Monetary System and Business Regulatory Framework.
- To get ample opportunities for making career in such diverse fields as banking, insurance, accounting, auditing and taxation

COs of Zoology:

After the completion of the course 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.

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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.

COs of Physics:

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

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- 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.

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.

Program Outcomes, Program Specific Outcomes and Course Outcomes

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.

COs of Microbiology:

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

- To understand history of microbiology and types of microorganisms.
- To recognize the importance and applications of microbiology in our life.
- To define and state the principles of various techniques used in microbiology.
- To acquire information about Medical Microbiology, Food and Agriculture Microbiology.
- To understand the importance of microorganisms in industry.

COs of Master of Arts (History):

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

- To understand diverse trends and theories of History.
- To face various competitive examinations.
- To understand socio-economic history of Marathas from an analytical perspective.
- To understand social, economic, religious and institutional bases of ancient India.

Program Outcomes, Program Specific Outcomes and Course Outcomes

- To acquire basic skills that historians use in research.
- To understand socio-economic, cultural and political background of Medieval India.
- To understand the process of the rise of Modern India.

COs of Master of Arts (Music):

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

- To use knowledge of Indian Music and Classical Music from professional point of view.
- To master in stage performance.
- To face NET/SET examinations.
- To get ample opportunities for making career in the field of music.
- To carry out research in the field of Indian Music.
- To get inspiration by the achievements of great musicians of India.

COs of Master of Arts (Marathi):

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

- To understand the cultural background of Marathi literature.
- To understand the social utility of the syllabi through the study of literature and society.
- To find out utility of traditional rituals and customs in the present day context.
- To make use of Marathi for creative writing.
- To become aware about nature and scope of interdisciplinary research.
- To become completely proficient in using the skills of Marathi language.
- To face NET/SET examinations.



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J. D. P. S. Mahavidyalaya,