



# VENKATESH MAHAJAN SENIOR COLLEGE, OSMANABAD

Re-Accredited with 'B' Grade by NAAC

Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

## Program Outcomes of all Streams

### Program Outcome of B. A.

- Acquire knowledge and skill in the subjects of humanities and languages
- Understand need of society and provide solutions to various social issues and problems.
- Acquire knowledge in the fields of economy and politics
- Acquire skills of observations and fundamental theories.
- Prepare for the competitive examinations.
- Understand social issues and provide solutions through subjects like Sociology, Economics and Political Science.

### Program Outcome of B. Sc.

- Students of science stream should know about the scientific studies and should develop scientific temperament.
- Acquire knowledge and facts regarding various subjects in science stream.
- Students should develop scientific as well as critical thinking.
- Acquire skills in handling the laboratory equipments and instruments.
- To find out new solutions and new ideas to the problems and to the development in all fields of life.
- Develop scientific attitude in all aspects of life and inculcate different values of life.
- Develop thirst of knowledge in combination with the welfare of mankind. Nourish the feeling of oneness with nature and its might.
- Prepare for the competitive examinations.

  
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### **Program Outcome of B. C. A.**

- Boost the basic computer knowledge and operating systems.
- Develop skills to present ideas effectively and efficiently.
- Acquire knowledge in software used in academics and professional environment.
- Develop skills in academics and professional presentations
- Organize information efficiently in the forms of outlines, charts by using appropriate software.

### **Programme Outcomes of B.Com.**

- To give comprehensive knowledge of finance, accounting, taxation and business laws.
- Try do develop needed for getting placed in industries, Banking Sector, Insurance Companies, Transport Agencies, warehousing etc.
- To meet the trained manpower needed above mentioned fields.
- It offers a many specialization and practical knowledge to students to face modern day challenges in the field of commerce, management and business.
- Students gets skill to get absorbed in the field of banking, insurance, corporate, etc

### **Programme Outcomes of M. Sc. Chemistry**

- Demonstrate and apply the fundamental knowledge of the basic principles in various fields of Chemistry
- Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution.
- Apply knowledge to build up small scale industry for developing endogenous product.
- Apply various aspects of chemistry in natural products isolations, pharmaceuticals, dyes, textiles, polymers, petroleum products, forensic etc. and also to develop interdisciplinary approach of the subject.
- Collaborate effectively on team-oriented projects in the field of Chemistry or other related fields.

  
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## Programme Outcomes of M. A. Marathi

- मराठी साहित्याचा सर्वांगीण अभ्यास होईल.
- साहित्यिक अभिरुची वाढीस लागेल.
- भाषिक क्षमतांची वृद्धी होईल.
- समीक्षणात्मक दृष्टी वाढीस लागेल.
- साहित्याच्या विविध पद्धतींचा परिचय होईल.

  
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## Program Specific Outcome of all Subjects

### Program Specific Outcomes of English

- To remove the grudge against the language amongst the students from this area
- To develop language learning skills like, listening, speaking, reading, and writing.
- To develop vocabulary and communicative skills with help of language laboratory.
- Enrich confidence to appear for competitive examinations.
- To know phonological aspects of English.
- To acquaint students to the structure and function of grammatical units
- Boost research activities in department.
- To inculcate values like social, national, environmental, etc
- To develop interest in English literature.

### Program Specific Outcome of Marathi

- Acquaint students about grammatical rules and official use of Marathi language.
- To develop skills for Audio Visual media
- To study different new skills included in Movies, TV Serial, News, Abstract.
- To develop writing skill for various programs of the Television channels.
- To develop various technicalities of Marathi communication.
- To train in Copy writing skills.
- Study various aspects of speech delivery.
- To prepare for competitive exam and develop practical knowledge of the Marathi communication.
- To develop interest in Marathi literature

  
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### **Program Specific Outcome of Hindi**

- Develop reading, writing, spelling and listening skills in Hindi language.
- Increase the critical attitude about literary writing in Hindi
- Creating interest in Hindi literature
- Imbibing research attitude among students
- To inculcate nationalism through learning of national language.
- To learn how to write research papers
- To prepare students for various Hindi language competitions.
- To develop translational skills.

### **Program Specific outcome of History**

- Understand the ancient, Medieval and recent history of human, India and World
- To understand the origin of religion, customs, social institutions, administration units
- Co-relating the present social, political, religious, economic conditions of present with that of past.
- Develop practical skill in studying the historical objects, monuments documents etc
- Develop practical skills of drawing the historical maps, charts, diagrams, models and tools
- Collect ancient artifacts, stones, bones, fossils etc
- To learn the preserving techniques of historical documents and objects
- To learn ancient language like Pali, Modi
- Play vital role in activities of historical organization and provide them possible aid.
- To ceate intrest in excavation activities.

### **Program Specific Outcome of Sociology**

- The basic objective of sociology in UG level is to cater the needs of the education of sociology in Osmanabad region.
- To analyze society as whole and suggest remedies for social issues.
- To provide human resources in the field of social welfare, rectors of hostel, researchers, and social workers.
- To create social awareness about various social themes and involve students in social programs and social movements.
- To develop responsible citizens of India.
- To inculcate the importance of gender, social and political equalities.

  
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### **Program Specific Outcome of Economics**

- Economics has much importance in business, economic sector, banking, etc.
- To provide education of business and economics sectors.
- To acquaint about various sectors of economics.
- To develop skills in the field of taxation, banking, cashless transaction, etc.
- To prepare student for future challenge in economics.

### **Program Specific Outcome of Political Science**

- To provide education about various education cultures.
- To help students recognize students about their duties and rights as citizens of India.
- To provide assistance to students who are opting for different competitive exams.
- To acquaint students to various carrier opportunities in the field of Political Science.
- To develop leadership qualities among the students.

### **Program Specific Outcome of Thoughts Mahatma Phule, Dr. Ambedkar**

- The objective of this subject is to inculcate good thoughts in the minds of students to shape up responsible citizens of India.
- Develop the social responsibility.
- To inculcate in the minds of students the values of social equality, freedom and fraternity.
- To develop among students the skills such as oratory, decision making ability.
- To develop national pride, secularism among the students.
- To prepare the students for various competitive examinations.
- To inculcate values such as social equality, gender sensitization, social justice and upliftment of downtrodden.

### Program Specific Outcome of Chemistry

- Develop broad foundation of chemistry.
- Develop experimental techniques using available resources.
- Understand the importance of the Periodic Table and its role in organizing chemical formation.
- To integrate knowledge of mathematics, physics and other disciplines to solve variety of chemical problems.
- Enrich the laboratory skills of students which are needed in chemical research.
- Create an academic environment to develop intellectual and professional skills.
- Enable students to understand and critically interpret the primary chemical literature.
- Develop the ability of effective communication of scientific information and research The
- Understand challenges related climate change and its impact on human health, depleting energy and natural resources.

### Program Specific Outcome of Botany

- Inculcate fundamental of modern and classical aspects of Botany.
- Develop environmental values among students through awareness programs.
- Create platform for higher education in Botany.
- Develop different lab skills needed for Botanical research.
- Acquaint student about the various career opportunities in the field of Botany.
- To perform procedural techniques of handling various instruments such as Microscope, Centrifuge, Incubator, Etc
- Give knowledge of various discipline of Botany such as Genetic, Taxonomy, Physiology, etc.
- Encourage student to take up successful career in Botany.
- To educate the students about the making of herbaria.
- To give students various commercial skills such as food processing, mushroom cultivation, soil testing.

  
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### **Program Specific Outcome of Zoology**

- Understand the nature, basic concepts of cell biology, genetics, physiology, ecology.
- Analyze the relationship amongst animals, plants and microbes.
- Perform procedure as per lab standards in the areas of physiology, ecology, cell biology, genetics, applied zoology, fish biology.
- Understand the application of biological sciences in aqua culture.
- Gain knowledge about research methodology, effective communication.
- Contribute the knowledge from national building.
- Elucidation of animal- animal, animal- plant, animal – microbes interactions.
- Characterization of the chemical and physical properties of environment.

### **Program Specific outcome of Physics**

- Students are expected to acquire core knowledge in physics, including the major premises of classical mechanics, quantum mechanics, electromagnetic theory, electronics, optics, special theory of relativity and modern physics.
- Students are also expected to develop written and oral communication skills in communicating physics-related topics.
- Students should learn how to design and conduct an experiment.
- Develop understanding of the analytical methods required to interpret and analyze results and draw conclusions.
- Develop the proficiency in the acquisition of data by using variety of laboratory instruments and in the analysis and interpretation of such data.
- Learn the applications of numerical techniques for modeling physical systems for which analytical methods are inappropriate or of limited utility.
- Understand basic concepts of Physics.
- Learn to minimize variables and recognize the limitations of equipment.
- Co-relate physics concepts with other disciplines such as mathematics, computer science and chemistry.
- Develop the following experimental tools: Numerically model simple physical systems using Euler's method, curve fitting, and error analysis.



### Program Specific Outcome of Mathematics

- Create deep interest in learning mathematics.
- Develop broad and balanced knowledge and understanding of definitions, concepts, principles and theorems.
- Provide student /learners' sufficient knowledge and skill enabling them to undertake further studies in mathematics and its allied areas on multiple disciplines concerned with mathematics.
- Encourage the student to develop a range of generic skill helpful in employment, internship and social activities.
- The undergraduate course focuses on developing mathematical skills in Algebra, calculus and data analysis.
- Interpret data, find patterns and determine conclusions.

### Program Specific Outcome of Microbiology

- Microbiology play very vital role in daily needs of human life such as crop development, pharmaceutical industries, agrochemical industries, medical research, environmental pollution control etc.
- Learners will understand the scope and historical developments in microbiology, characteristics of different types of microorganisms and methods of their classification.
- Students will understand ultra structure of bacterial cell.
- Explain the nutritional requirements and mechanisms of their transportation in the cell.
- Understand and use methods of visualizing microorganisms, controlling growth of Microorganisms and isolation of microorganisms.
- Perform isolation and maintenance of bacterial cultures.
- Learners will understand and explain the body defense mechanisms and describe the immunological concepts with reference to infection, immunity.

### Program Specific Outcome of Computer Science

- Demonstrate proficiency in problem solving techniques using the computer.
- Demonstrate proficiency in at least two high-level programming languages and two operating system and solutions of this problem.
- Give knowledge of various programming languages, web development, Operating system, hardware etc.
- Equip students with state-of –the-art technology such as data science, cloud computing and mobile applications for getting jobs in different industries.
- Understand the nature of the software development process, including the need to provide appropriate documentation.
- Be able to program fluently in one or two programming languages.
- Understand the basic theory of computer architectures, including computer hardware and networking.

  
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### **Program Specific Outcomes of B. Com.**

- Students acquire practical skills to work in the field of tax consultancy, auditing, and other financial supporting services.
- To cater to the manpower needed in the field of Accounting, Taxation, Business Laws, Auditing, Financial Surveys and Management.
- To develop entrepreneurship and managerial skills in students so that they can manage their business effectively.
- To inculcate communication, ethical values, team work, professional and leadership skills in students.
- To prepare students for competitive exams such as Chartered Accountant (CA), Company Secretary (CS), Institute of Cost and Works Accountants of India (ICWA) and other courses.
- Learners will get relevant managerial skills to work as tax consultant, audit assistant, and other supporting financial services.
- Students can learn managerial accounting career skills applicable to quantitative and qualitative analysis of market.
- To prepare students for post graduate courses such as M.B.A., M. Comm.

### **Program Specific Outcomes of M.Sc. Chemistry**

- Gains complete knowledge about all fundamental aspects of all the elements of chemistry
- Understands the background of organic reaction mechanisms, complex chemical structures, instrumental method of chemical analysis, molecular rearrangements and separation techniques.
- Learns about the potential uses of analytical industrial chemistry, medicinal chemistry and green chemistry.
- Carry out experiments in the area of organic analysis, estimation, separation, derivative process, inorganic semi micro analysis, preparation, conductometric and potentiometric analysis
- 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.

  
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## Program Specific Outcomes of M.A. Marathi

- सर्जनशील लेखनाकरिता उद्युक्त करण्यास मदत होईल.
- कथा, कादंबरी, निबंध, कविता, चरित्र, आत्मचरित्र, प्रवास वर्णन आणि नाटक आधी साहित्यप्रकाराचा अभ्यास होईल.
- मराठीवाङ्मयाचा इतिहास अभ्यासता येईल.
- भाषेचे उपयोजन होण्यास मदत होईल.
- मराठी वाङ्मयातील विविध प्रवाहांचा अभ्यास करता येईल.

  
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