



Savitribai Phule Pune University

(Formerly University of Pune)



Satyaniketan's

**Adv. M. N. Deshmukh Arts, Science and Commerce
College Rajur**

M.Sc. in Chemistry

(Faculty of Science & Technology)

**Program Outcomes
&
Program Specific Outcomes**

M. Sc. Part-II Organic Chemistry

(As Per National Education Policy-2020)

1. PROGRAM OUTCOMES (POs)

PO No.	PO Statement	Knowledge and Skill
	After completing the Master of Science degree students are able to	
PO-1	Learn the terms, theories, assumptions, methods, principles, theory statements, and classification.	Disciplinary knowledge
PO-2	Fixed out the problem and resolved it using theories and practical knowledge.	Critical thinking & Problem-solving
PO-3	Inculcate his knowledge for carrying projects and advanced research-related skills.	Research related skill
PO-4	Actively participate in the team on case studies and field-based situations.	Cooperation/Teamwork
PO-5	Analyse and interpret ideas, evidence, and experiences with learned scientific reasoning	Scientific reasoning
PO-6	Aware and implement the subject facts that can be applied to personal and social development	Reflective thinking
PO-7	Use digital literacy to retrieve and evaluate subject-related information	Information/Digitally literacy:
PO-8	Get moral and ethical values for society as well as in research	Moral and ethical awareness
PO-9	Give analytical reasoning to interpret research data.	Analytical Reasoning
PO-10	Improve their managerial skills and abilities in subject-related activities.	Leadership readiness/qualities
PO-11	Inculcate continuous learning habits through all available resources.	Lifelong readiness/qualities

2. PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO No.	PSO Statement
	After completing the Bachelor of Science in Chemistry, students will be able to-
PSO-1	Demonstrate proficiency in advanced terms, theories, principles, and techniques of chemistry through different courses, laboratory experiments, and research projects.
PSO-2	Develop a foundational understanding of research methodologies, including literature review, hypothesis formulation, experimental design, data analysis, and interpretation.
PSO-3	Acquire hands-on experience with advanced chemistry-related equipment.
PSO-4	Apply modern research techniques to investigate complex chemical phenomena and solve practical problems.
PSO-5	Demonstrate competence in quality assurance and quality control practices essential for industry