



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-I Organic Chemistry

(As Per National Education Policy-2020)

1. Programme 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, theorem statements and classification	Disciplinary knowledge
PO-2	Fix out the problem and resolve it using theories and practical knowledge.	Critical thinking and Problem solving
PO-3	Inculcate knowledge for carrying projects and advanced research related skills.	Research related skill
PO-4	Actively participate in team on case studies and field-based situations.	Cooperation/Team work
PO-5	Analyze and interpret ideas, evidences and experiences with learned scientific reasoning	Scientific reasoning
PO-6	Aware and implement the subject facts that can be applied for the 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 habit through all available resources.	Lifelong readiness/qualities

2. Programme Specific Outcomes (PSOs)

PSO No.	PSO Statement	Knowledge and Skill
	After completing the Bachelor of Science in Chemistry, students will be able to-	
PSO-1	Demonstrate a comprehensive knowledge of all disciplines.	Disciplinary knowledge
PSO-2	To assess and evaluate facts, claims and arguments using their scientific knowledge	Critical thinking
PSO-3	To define a problem, analyse, interpret and draw conclusion by planning, implementing and reporting the results of an experiment	Research-related skills
PSO-4	To access, evaluate and apply a variety of useful sources.	Information/digital literacy
PSO-5	To participate in multicultural society and communicate the subject knowledge for the betterment of society.	Multicultural competence
PSO-6	To acquire knowledge and skills including “Learning how to learn” that are necessary in learning activities throughout life	Lifelong learning