

## **Rajaram College, Kolhapur**

**Name of Department: Chemistry**

**Name of Programme: M. Sc Analytical Chemistry**

### **Program Outcomes**

- I.** Post graduation course in Analytical Chemistry (MSc) at Rajaram College provides the fundamental knowledge and laboratory skills to keep the students well versed with professional expertise in the field of Analytical chemistry. Besides this enabling them to interface with interdisciplinary fields such as medical, forensic, agriculture, material sciences etc.
- II.** The problem solving skill will be developed in students, which includes identifying the problem, deciding the strategy to tackle it, applying the appropriate technique, solving the problem and interpret the results.
- III.** The domain specific knowledge and technical skills essential for career in industries, in teaching field and also in research areas will be acquired by students.
- IV.** The problem solving skill as well as analytical reasoning along with fundamental knowledge will help the students to apply their expertise in diverse fields.
- V.** The quality research initiative will be developed among students.
- VI.** The effective communication skill, confidence, skill to comprehend, articulate, to write precise reports, to present and to make documentation of the work, all these skills will be developed among the students.

### **Program Specific Outcomes**

- I** The knowledge acquired during this course will help the students to utilize in QA-QC and R&D departments in industries, which will enable them to secure jobs where analytical chemistry is the core requirement to ensure and ascertain the quality of the product.
- II** Students can pursue higher education such as Ph D program.
- III** Students will be able to prepare and qualify subject specific competitive exams like NET, SET and GATE and also other general public administration exams like M.P.S.C. and U.P.S.C.
- IV** Students can start their own laboratories/startups/ chemical industry/ business.
- V** Students will be able to explore contemporary research in chemistry and allied fields of science and technology, collaborate in team projects, communicate the results of scientific work in oral, written and electronic formats to both scientists and the public at large.