

B. Sc. and M.Sc. Degree Program Outcomes (POs).

After successful completion of **B. Sc. and M. Sc.** Degree programs, the graduates are able to –

PO-1 Think critically: the graduates can identify the assumptions that frame thinking and action, checking of degree of accuracy and validity. They have their own ideas and can take decisions with proper perspective.

PO-2 Communication skill

The graduates can speak, read, write and listen clearly in person through electronic media in Marathi and 1arathi. They can connect the people through ideas, books, media and technology.

PO-3 Social Interaction:

They can elicit views of others mediate disagreements and become part of process of drawing conclusions in various issues.

PO-4 Effective citizenship

They participate effectively in national development issues and can offer voluntarily contribution in civic life.

PO-5 Ethics

They honor and respect human values and accepts responsibilities accordingly.

PO-6 Environment and sustainability

These graduates can understand thoroughly the environmental issues and find the solutions for environment and sustainable development.

PO-7 Self directed and lifelong learning

They are able to engage in independent and lifelong learning of socio-technological change.

PO-8 Scientific Knowledge

Apply the knowledge of basic science for the solution to scientific problem.

PO-9 Problem Analysis

Identify the problem; formulate hypotheses, literature study, experimental work, analysis, interpretation and conclusions.

PO-10 Use of recent technology

Graduates can use modern and recent technologies, ICT tools to solve scientific problems.

PO-11 Scientific Reasoning

Science graduates apply proper reasoning to find proper solution to societal problems.

B. Sc. and M. Sc. Program Specific Outcomes (PSOs)

PSO-1 They understand the nature and concepts in chemistry as a basic science subject.

PSO-2 These graduates can analyze chemical matter by qualitative and quantitative methods.

PSO-3 They can perform experimental work in chemistry as per laboratory standards.

PSO-4 The graduate know about applications of chemistry in various fields of human activities such as agriculture, medicine, space research, dye industry, general chemical industry, metal and alloys and soap and detergents.