BSc Biochemistry

Programme Outcomes PO 1	**Disciplinary Knowledge** a) Ability to understand fundamental concepts of biology, chemistry and biochemistry. b) Ability to apply basic principles of chemistry to biological systems and molecular biology. c) Ability to relate various interrelated physiological and metabolic events. d) A general awareness of current developments at the forefront in biochemistry and allied subjects. e) Ability to critically evaluate a problem and resolve to challenge blindly accepted concepts. f) Zeal and ability to work safely and effectively in a laboratory. g) Good experimental and quantitative skills encompassing preparation of laboratory reagents, conducting experiments, satisfactory analyses of data and interpretation of results. h) Awareness of resources, and their conservation. i) Ability to think laterally and in an integrating manner and develop interdisciplinary approach. j) Overall knowledge of the avenues for research and higher academic achievements in the field of biochemistry and allied subjects.
PO 2	**Communication Skills** a) Ability to speak and write clearly in English b) Ability to listen to and follow scientific viewpoints and engage with them.
PO 3	**Critical Thinking** a) Ability to substantiate critical readings of scientific texts in order to persuade others. b) Ability to place scientific statements and themes in contexts and also evaluate them in terms of generic conventions.
PO 4	**Problem Solving** a) Ability to closely observe the situation, and apply lateral thinking and analytical skills.
PO 5	**Analytical reasoning**

	a) Ability to evaluate the strengths and weaknesses in scholarly texts spotting flaws in their arguments. b) Ability to use critics and theorists to create a framework and to substantiate one's argument in one's reading of scientific texts.
PO 6	**Research-Related Skills** a) Ability to problematize; to formulate hypothesis and research questions, and to identify and consult relevant sources to find answers. b) Ability to plan and write a research paper.
PO 7	**Teamwork and Time Management** a) Ability to participate constructively in class room discussions.

MSc Biochemistry

Programme Outcomes

PO 1: Problem solving and research skill: Carry out research/ investigation and development work to solve practical problems.

PO 2: Lifelong learning: Demonstrate a degree of mastery over the area as per the specialization of the program.

PO 3: Scholarship of knowledge: Apply advanced knowledge and skills appropriate to the discipline.

PO 4: Collaborative and multidisciplinary work: Think critically and apply appropriate logic, analysis, judgment and decision making and to function as an effective member or leader of teams to achieve common goals.

PO 5: Communication: Write and present a substantial technical report/document.