

PROGRAM SPECIFIC OUTCOME (PSO)

B. Sc. (HONS.) in CHEMISTRY

❖ PSO-1: Introduction to Chemistry:

This program offers the students a platform for introduction to the different areas of theoretical and applied Chemistry. It creates the skills to operate various chemicals, apparatus and instruments.

❖ PSO-2: Basic knowledge in Chemistry:

During this program, students acquire knowledge and understanding of the fundamental concepts in all areas of Chemistry.

❖ PSO -3: Practical Knowledge in Chemical Science:

This program helps students to accumulate ability for synthesise, separate and characterize of different organic and inorganic compounds using analytical and instrumentation techniques.

❖ PSO-4: Confidence building on the subject:

This program helps the students in critical thinking and self- directed learning aptitude to study the subjects in its depth and apply thoughts for solving the problems in various fields in Chemistry.

❖ PSO-5: Innovative skill development:

Through this program students get information about the fundamentals and applications of chemical and scientific theories by which capability of thinking and innovative skills about various fields of chemistry is grown up.

❖ PSO-6: Applicability in daily life:

This programme demonstrates knowledge in various fields of chemistry e.g. industrial chemistry, pharmaceutical chemistry, fuel chemistry, cosmetic chemistry, polymer chemistry etc. for betterment of our daily life.

❖ PSO-7: Applicability in agriculture:

This program demonstrates knowledge about fertilizers, pesticides, nature of soil etc. for betterment of agriculture.

❖ PSO-8: Betterment of Environment:

This program demonstrates knowledge for betterment of environment through the study of Environmental chemistry and green chemistry.

❖ PSO-9: Employment and Career:

This program is expected to inculcate the ability to find jobs in different academic institutions as well as research institutes. Through this program students get jobs in different chemical, pharmaceutical, oil, petrochemical and many other industries.

❖ **PSO-10: Journey of life-long learning:**

This program accomplishes a nature of life-long learning to acquire the ability of grasping any scientific text in the broadest context of scientific development. Problem solving skills in application of chemical principles helps students to broaden the vision of humanity to a great extent.

❖ **PSO-11: Moral and Ethical:**

This program may help the students to develop moral and ethical mindset to acquire the ability of unbiased approach and trueness of action. It also develops moral and ethical mindset to acquire the ability of unbiased approach and trueness of action