

# UNDERGRADUATE PROGRAMME IN CHEMISTRY

## (CHEMISTRY MODEL III)

### PROGRAMME SPECIFIC OUTCOMES (PSOs)

It is expected that after successfully completing under graduate programme in Chemistry, a student is expected to achieve the following:

1. A strong foundation in chemistry that stresses scientific reasoning and analytical problem-solving skills.
2. Understand the various experimental techniques using modern instrumentation.
3. Skills to gather information from various interdisciplinary subjects in chemistry and to integrate knowledge of mathematics, physics and other disciplines to a wide variety of chemical problems.
4. Learn the laboratory skills needed to design, safely conduct and interpret chemical research.
5. Acquire a foundation of chemistry by referring modern Information technology resources and databases.
6. Develop the ability to effectively communicate scientific information and research results in written and oral formats.
7. Gain latest knowledge in field of chemistry and make them prepared for pursuing higher education in chemistry
8. Learn professionalism, including the ability to work in teams and apply basic ethical principles.
9. Develop an eco-friendly attitude by creating a sense of environmental awareness.




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## UNDERGRADUATE PROGRAMME OUTCOMES (POs)

After successfully completing any three-year under graduate program, a student is expected to achieve the following attributes.

1. Information value. Solid, comprehensive and updated information on the discipline concerned help the students gain perceptive insights into the subject, pursue higher studies, enhance employment potential and land in a job at good time
2. Scientific temper and critical thinking. Mindset which enables one to follow a way of life that focuses upon the scientific method of understanding reality and the capability to think rationally and reflectively.
3. Inclusiveness. Constant exposure to and interaction with disparate social strata for an inclusive mindset, ethical sensibility and greater social sensitivity and empathy.
4. Democratic practice and secular outlook. As envisioned by the Constitution of India.
5. Sense of equality, equity and environment. Ability to differentiate between pure equality, social equity and a heightened awareness of how humans dialectically interact with environment.
6. Synergetic work culture. Capacity to work in groups and the attitude to consider larger goals greater than personal ones.
7. Emancipatory and transformative ideals. Attainment of cherished ideals of education for the eventual empowerment of humanity.



  
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