

# CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

## DEPARTMENT OF ORGANIC CHEMISTRY

**PROGRAMME NAME: M.Sc., ORGANIC CHEMISTRY**

### PROGRAM OUTCOMES

- PO 1 :** To provide students in the scientific skills and chemical knowledge essential to develop and apply the knowledge in chemical sciences related to analysis of food and drug chemistry.
- PO 2 :** To provide knowledge, application, skills in water analysis
- PO 3 :** To equip students with effective scientific communication skills
- PO 4 :** To encourage the pursuit of lifelong education
- PO 5 :** To develop each student into a committed individual with ethical and social responsibility
- PO 6 :** Have good employment opportunities in pharmaceutical labs , will get Jobs in various Chemical industries related to Pharma companies, polymer Companies, pollution control boards etc.
- PO 7 :** Have excellent opportunities to pursue research
- PO 8 :** Can build their careers as Entrepreneurs by establishing “Start ups”.
- PO 9 :** Have an opportunity to pursue career teaching in chemistry at various levels

### PROGRAM SPECIFIC OUTCOMES

The students who complete the M.Sc. Chemistry (Organic Chemistry Specialization) course shall

- PSO 1 :** Have the abilities to think critically, logically and analytically and solve problem in the area of chemical sciences, drug chemistry, medicinal chemistry and water pollution
- PSO 2 :** Have the abilities to carry out chemical experiments, record and analyze the results and design advanced models
- PSO 3 :** Have the abilities to use modern library and information retrieving tools to obtain information and assimilate to generate concepts and apply them in challenging situations
- PSO 4 :** Have the abilities to effectively communicate their knowledge and skills to other chemists and non-chemists in oral or written formats
- PSO 5 :** Secure suitable employment in the areas of chemical industries like pharmaceutical (R&D,QA & QC), polymers, , environmental and pollution control, nanotechnology and composite materials, teaching and research, etc
- PSO 6 :** Have the personal attributes and ethical sensibilities to enable them to function as effective scientists and citizens
- PSO 7 :** Have strong foundation in the fundamentals and applications of chemical knowledge and understanding