



GOVERNMENT DEGREE COLLEGE, RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269



(Accredited with C grade by NAAC)

Department of Chemistry

PROGRAM SPECIFIC OUTCOMES FOR B.Sc. Chemistry

UNDER CBCS FRAMEWORK

WITH EFFECT FROM 2015-16

Students after successful completion of B.Sc. CHEMISTRY, should able to:

PSO-1	Clear understanding of the fundamental concepts in Organic, Inorganic, Physical and analytical Chemistry.
PSO-2	Ability to perform scientific experiments skillfully by application of procedural knowled
PSO-3	Idea about research in chemistry and knowledge of the significance of the scientific concepts learnt which find application in industry, medicine and modern research.
PSO-4	Capacity of working in research labs and related fields.
PSO-5	understand the basic principles of Organic, Inorganic, Physical and Analytical Chemistry and its applications through Various laboratory experiments
PSO-6	To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.
PSO-7	Achieve the skills required to succeed in graduate school, professional school and the chemical industry like Cement industries, Agro product, Paint industries, Rubber industries, Petrochemical industries, Food processing industries, Fertilizer industries etc.
PSO-8	Develop research oriented skills

M.BHANU PRAKASH REDDY,
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PROGRAM SPECIFIC OUTCOMES FOR B.Sc. CHEMISTRY

UNDER REVISED CBCS FRAMEWORK

WITH EFFECT FROM 2020-21

Students after successful completion of B.Sc. CHEMISTRY, should acquire	
PSO-1	Gain the knowledge of Chemistry through theory and practical experiments.
PSO-2	To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions
PSO-3	Identify chemical formulae and solve numerical problems.
PSO-4	understand the basic principles of Organic, Inorganic, Physical and Analytical Chemistry and its applications through Various laboratory experiments
PSO-5	Use modern chemical tools, Models, Chem-draw, Charts and Equipments
PSO-6	Understand good laboratory practices and safety.
PSO-7	Develop research oriented skills
PSO-8	Aware and handle the sophisticated instruments/equipments

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PROGRAM SPECIFIC OUTCOMES FOR B.Sc. CHEMISTRY

B.Sc. HONOURS CHEMISTRY (MINOR)

4-YEARS UG HONOURS PROGRAM WITH SINGLE MAJOR AND ONE MINOR

WITH EFFECT FROM 2023-24

Students after successful completion of B.Sc. CHEMISTRY will be able to:

PSO-1	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.
PSO-2	Will become familiar with the different branches of chemistry like analytical, organic, inorganic, physical, environmental, polymer, medicinal and biochemistry
PSO-3	Acquires the ability to synthesise, separate and characterize compounds using laboratory and instrumentation techniques.
PSO-4	To develop leadership and managerial skills promoting the need for lifelong learning as required for a competent professional.
PSO-5	To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.
PSO-6	Identify chemical formulae and solve numerical problems.
PSO-7	Achieve the skills required to succeed in graduate school, professional school and the chemical industry like Cement industries, Agro product, Paint industries, Rubber industries, Petrochemical industries, Food processing industries, Fertilizer industries etc.
PSO-8	Understand the importance of the elements in the periodic table including their physical and chemical nature and role in the daily life

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