

Affiliated to Awadhesh Pratap Singh University Rewa (MP)

Registered Under Section 2 (F) & 12 (B) of UGC Act

E-mail: hegtdcano@mp.gov.in



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B.Sc. Chemistry Program Out - Come

DEPARTMENT OF CHEMISTRY:

The Outcomes of UG Course, B. Sc. in Chemistry
At the completion of B. Sc. in Chemistry the students are able to:

- Provide a broad foundation in chemistry that stresses scientific reasoning and Analytical problem solving with a molecular perspective.
- Achieve the skills required to succeed in graduate school, the chemical industry and professional school.
- Get exposures of a breadth of experimental techniques using modern instrumentation?
- Understand the importance of the Periodic Table of the Elements, how it came to be, and its role in organizing chemical information
- Understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics and other disciplines to a wide variety of chemical problems
- Learn the laboratory skills edged to design, safely and interpret chemical research
- Acquire a foundation of chemistry of sufficient breadth and the depth to enable them to understand and critically interpret the primary chemical literature
- Develop the ability to communicate scientific information and research results in written and oral formats.
- Learn professionalism, including the ability to work in teams and apply basic ethical principles

DEPARTMENT OF CHEMISTRY:

The Outcomes aLPG Course, M. Sc. in Chemistry

At the completion of M. Sc. in Chemistry the students are able to:

- Demonstrate and apply the fundamental knowledge of the basic principles in various fields of Chemistry
- Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution
- Apply various aspects of chemistry in natural products isolations, pharmaceuticals, dyes, textiles, polymers, petroleum products, forensic etc, and also to developInterdisciplinary approach of the subject •
- Collaborate effectively on team-oriented projects in the field of Chemistry or other related fields.
- Communicate scientific information in a clear and concise manner both orally and Writing
- Inculcate logical thinking to address a problem and become result oriented with a positive attitude
- Explain environmental pollution issues and the remedies thereof
- Apply the knowledge to develop the sustainable and eco-friendly technology in Industrial Chemistry
- Have developed their critical reasoning, judgment and communication skills
- Augment the recent developments in the field of green and eco-friendly reactions.
 pharmaceutical, Bioinorganic Chemistry and relevant fields of research and development.
- Enhance the scientific temper among the students so as to develop a research culture and implementation of the policies to tackle the burning issues at global and local level.

Dr. Brijendra Singh Deptt. Of Chemistry Govt Tulsi College Anuppur (* . .)



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e Name	Knowledge gained	Skill Gained	· De velopment Knowledge
MEM B.S. SPON MATHY INNOT	By the end of this course stables will learn the following as beet of Chemispry 1- Ancion Indian Chemical techniques 2. various therites as principles applied to revel atomic spectures. Theries related to Chemical bonding 4- Acid base concept pH buffer so farm. 5. Spectral technique of analysis. Appreciat use of buffer so fartion.	Endian. 2. To Enow Structure of atom. 3. How to form molecule 4. learn abount the orde of buffer solution in Chamical reactions in biological System. 5. To Leurn about the molecular Stouthole by the Spectous Coly.	of metallyy.

Jaithari Road Anuppur, District- Anuppur, Madhya Pradesh, Pin Code:- 484224 www.gtcanuppur.ac.in



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Course	Subject	Unit/Topic	Course/syllabus			
Semset ert/ year)			Environmental Sustainability	Social/Human Values	Professionel Ethics	Moral Value
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Course	Subject	Unit/Topic		Course/syllabus			
(Semset ert/ year)			Environmental Sustainability	Social/Human Values	Professionel Ethics	Mora Value	
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Head Deptt. Of Chemistry Govt.Tulsi College Anuppur (M.P.)

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Govt. Tulsi College Anuppur
Distt. Anuppur (M.P.)



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		Hait/Tania		Course/syllabus		
(Semset ert/ year)	Subject	Unit/Topic	Environmental Sustainability	Social/Human Values	Professionel Ethics	Mora Valu
	CHEMISTRY In FRYANCE Chamisty	Thand and soft acids and basas (HSAB) classification of hard soft Acid-base Application of hard-soft acid base theory. Silictones and phospharens methods of prepretions Metal ligand bonding in Transition Metal Complexes. Thermodynamic and Wineric Adjects of Metal Complexes. aspects of metal complex magnetic properties of		metal Complex storucture		
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Course (Semset ert/ year)	Subject		Environmental Sustainability	Social/Human Values	Professionel Ethics	Mor. Valu	
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Curriculum /Course outcome GOVT. TULSI COLLEGE ANUPPUR (M.P.)

Course Course		Course Outcome	Competency developed
Code Name	Knowledge gained	Skill Gained	
-116 B.SC.	Basic Concept of Thermodynamics To learn the thermodynamics term system surroun- ding energy heat To know about the State function relation betneen Cp and Cr	· Able to understand the chamical system from thermodynamic point of view.	
	To bern phase rule and its application. Thernes of conduct. tience. Migration of ions the west strong electrolytes. Electrolytes. Electrolytes. Galvanic Cell. Adsorption and catalyer. Chrosterape Roper		

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