

CHANDIDAS MAHAVIDYALAYA

DEPARTMENT OF CHEMISTRY

A Govt. Aided Degree College Affiliated to the University of Burdwan.
UGC Accredited under section 2(f) & 12(B) [1979] * NAAC Accredited in 2016
KHUJUTIPARA, Dist – BIRBHUM, WEST BENGAL, INDIA – 731215
www.chandidasmahavidyalaya.ac.in cmahavidyalaya1972@gmail.com



9474614644

8116010647

Ref.No:

Date:

Course Outcome: B.Sc. Chemistry (General) Programme
Session: 2022-23

CORE COURSES (CC)	
Course Name	Course Outcome
CC 1A: General Inorganic and Organic Chemistry	This course includes a theory as well as a practical paper. Theory deals with the basic ideas of inorganic and organic chemistry. Origin and fundamental ideas about atomic structure will help to understand the electronic configuration of one and many electron atom. Organic chemistry begins with the knowledge of resonance, hyperconjugation, electrophile, nucleophile etc which will be helpful in understanding the reaction mechanism.
CC 1B: Physical and Inorganic Chemistry	This course includes a theory as well as a practical paper. Physical part include Vanderwaals equation and its application for explaining real gas behavior is one of the most important topic of this part. Idea about critical state is needed for deriving the critical constants of real gases. Experimental determination of surface tension and viscosity by stalagmometer and viscometer will create more interest to the students about this course.
CC 1C: Physical and organic Chemistry	This course includes a theory as well as a practical paper. After completion of this course, students would be able to explain concept of enthalpy, entropy, state functions, Carnot engine will enrich students. They will learn how this parameters changes with surrounding pressure and temperature and many more.
CC 1D: Physical and	This course includes a theory as well as a practical paper. Theory paper include phase diagram, conductance and different properties of physical

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Analytical environmental	existence of an entity. Student will learn chemical analysis, chromatographic technique in analytical part as well as in practical portion.
DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)	
Course Name	Course Outcome
DSE 1A: Analytical and Industrial Chemistry	This course includes a theory as well as a practical paper. After successfully completing this course students would gain knowledge about various industrial methods, error analysis, computer applications etc.
DSE 1B: Organic and Industrial Chemistry	This course includes a theory as well as a practical paper. After successfully completing this course students would have a clear idea about large scale industrial preparation of organic compounds, manufacture of paint, dye, drugs etc.
SKILL ENHANCEMENT COURSES (SEC)	
SEC 2: Pharmaceutical Chemistry	This course includes a theory paper. After completion of this course students would be able to understand the chemistry behind drugs and pharmaceuticals and their preparation, identification and application etc.
SEC 3: Computer application in chemistry	This course includes a theory paper. After completion of this course students will be able to use computer for their study work. Writing chemical equations, drawing structures using various software will enrich their knowledge.
SEC 4: Polymer Chemistry	This course includes a theory paper. After completion of this course students would gain knowledge about the various polymeric materials that we use in our daily life. Then syntheses of polymer, use and application part are also covered here which will be very interesting to the students.



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Programme Specific Outcome: B.Sc. Chemistry (General) Programme Session: 2022-23

After graduating with a degree in Chemistry, the students have a wide scope in different fields. Apart from opting for higher studies, the students can also build their carrier in a variety of related branches of science:

- Industrial field
- Laboratory technician
- Medical representative and marketing field
- Health Science
- Analytical field
- Instrument operator
- Material supplier

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Program Outcomes: B.Sc. Chemistry (General) CBCS

Session: 2022-23

After completing graduation in Chemistry, the students have a wide scope in different fields. Apart from opting for higher studies, the students can also build their carrier in a variety of related branches of science such as:

- Teaching profession
- Agricultural science
- Nutrition science
- Laboratory incharge
- Chemical industries
- Pharmaceutical field
- Health sciences.

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