

# DEPARTMENT OF CHEMISTRY

## FACULTY OF NATURAL SCIENCES



**JAMIA MILLIA ISLAMIA**  
(A Central University)

**B.Sc. with CHEMISTRY**  
Effective from Academic Year 2017-2018

**Syllabus of Courses Offered**  
Core courses, Elective Courses and Ability Enhancement courses

## COURSE OUTLINE

Semester	Paper/ Practical	Paper No	Paper Code	Paper Title	Total Credits
Semester-I	Theory (Core)	I-G	CHG-101	Inorganic Chemistry-I	03
	Practical (Core)		CHG-101L	Inorganic Chemistry Practical-I	01
Semester-II	Theory (Core)	II-G	CHG-202	Organic Chemistry-I	03
	Practical( Core)		CHG-202L	Organic Chemistry Practical-I	01
	Theory (Ability Enhancement)	III-G	CHG-205	Basic Analytical Chemistry	04
Semester-III	Theory (Core)	IV-G	CHG-301	Inorganic Chemistry-II	03
	Practical (Core)		CHG-301L	Inorganic Chemistry Practical-II	01
	Theory (Core)	V-G	CHG-303	Physical Chemistry-I	03
	Practical (Core)		CHG-303L	Organic Chemistry Practical-II	01
	Theory (Elective)	VI-G	CHG-304	General Chemistry	03
	Practical (Elective)		CHG-304-L	General Chemistry Practical	01
Semester-IV	Theory (Core)	VII-G	CHG-402	Organic chemistry-II	03
	Practical (Core)		CHG-402L	Organic Chemistry Practical-II	01
	Theory (Core)	VIII-G	CHG-403	Physical Chemistry-II	03
	Practical (Core)		CHG-403L	Physical Chemistry Practical-II	01
	Theory (Elective)	IX-G	CHG-404	Novel Inorganic Solids	03
	Practical		CHG-404L	Novel Inorganic Solids Practical	01
Semester-V	Theory (Core)	X-G	CHG-501	Inorganic Chemistry-III	03
	Practical (Core)		CHG-501L	Inorganic Chemistry Practical-III	01
	Theory (Core)	XI-G	CHG-502	Organic Chemistry-III	03
	Practical (Core)		CHG-502L	Organic Chemistry Practical-III	01
	Theory (Elective)	XII-G	CHG-504	Polymer Chemistry	03
	Practical (Elective)		CHG-504L	Polymer Chemistry Practical	01
Semester-VI	Theory (Core)	XIII-G	CHG-603	Physical Chemistry-IV	03
	Practical (Core)		CHG-603L	Physical Chemistry Practical-IV	01
	Theory (Core)	XIV-G	CHG-604	Green Chemistry	03
	Practical (Core)		CHG-604L	Green Chemistry Practical	01
	<b>Total Credits</b>				<b>56</b>

Paper code – 1<sup>st</sup> letter for semester, 2<sup>nd</sup> and 3<sup>rd</sup> for subject as mentioned below:-

01- Inorganic Chemistry,02-Organic Chemistry,03-Physical Chemistry,04- Elective, 05-Ability Enhancement

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