

## Course Structure for P.G. Programme in Chemistry as per CBCS w.e.f. 2024

### SEMESTER-I

#### 1. Core Courses (CR):

Course No.	Title	Contact hours/Week	No. of Credits
CH24101CR	Inorganic Chemistry	(03L + 01T)	04
CH24102CR	Organic Chemistry	(03L + 01T )	04
CH24103CR	Physical Chemistry	(03L + 01T )	04
CH24104CR	Environmental Chemistry & Analytical Monitoring.	(01L + 01T)	02

#### 2. Discipline Centric Electives (DCE):

Course No.	Title	Contact hours/Week	No. of Credits
CH24105DCE	Laboratory Course in Chemistry -I	04 Lab Sessions of 03 hours each total 45 sessions	04
CH24106DCE	Symmetry & Group Theory	(01L + 01T)	02
CH24107DCE	IR, Raman & Electronic Spectroscopy	(01L + 01T)	02

#### 3. Generic Electives (GE):

Course No.	Title	Contact hours/Week	No. of Credits
CH24001GE	Surfactants and their Applications	(01L + 01T)	02

#### 4. Open Elective Courses (OE):

Course No.	Title	Contact hours/Week	No. of Credits
CH24001OE	Chemistry in Everyday Life	(01L + 01T)	02

### SEMESTER-II

#### 1. Core Courses (CR):

Course No.	Title	Contact hours/Week	No. of Credits
CH24201CR	Inorganic Chemistry	(03L + 01T)	04
CH24202CR	Organic Chemistry	(03L + 01T )	04
CH24203CR	Physical Chemistry	(03L + 01T )	04
CH24204CR	Green Chemistry	(01L + 01T)	02

#### 2. Discipline Centric Elective (DCE):

Course No.	Title	Contact hours/Week	No. of Credits
CH24205DCE	Laboratory Course in Chemistry -II	04 Lab Sessions of 03 hours each total 45 sessions	04
CH24206DCE	Bio-Inorganic Chemistry	(01L + 01T)	02
CH24207DCE	NMR and ESR Spectroscopy	(01L + 01T)	02

#### 3. Generic Elective Courses (GE):

Course No.	Title	Contact hours/Week	No. of Credits
CH24002GE	Metal Ions in Living Systems	(01L + 01T)	02

#### 4. Open Elective Course (OE):

Course No.	Title	Contact hours/Week	No. of Credits
CH24002OE	Chemistry of Bio-molecules	(01L + 01T)	02