Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -I (Major)

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Atomic structure	Sourav Mardanya	September, 2024	NA	6	
	Unit II	Periodic table	Deeppriya Roy Sarkar	September, 2024	NA	6	
	Unit III	Chemical bonding	Sourav Mardanya & Deeppriya Roy Sarkar	November, 2024	NA	3+6	CIA-I
	Unit IV	Basics of organic chemistry	•				Last week of
General Chemistry - I		a. Organic compounds	Mousumi Kundu	August. 2024	NA	2	September
(BSCCEMMJ101)		b. Electronic displacements	Mousumi Kundu	September, 2024	NA	2	CIA-II Last week of
		c. Reactive intermediates	Sourav Mardanya	November, 2024	NA	3	November
		d. Introduction to organic reactions	Mousumi Kundu	November, 2024	NA	4	
		e. Stereochemistry	Mousumi Kundu	November, 2024	NA	5	
	Practical	Organic Chemistry Practical	Mousumi Kundu	November, 2024	20	NA	

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -I (Minor)

Full Marks: 100 [Theory-50 (CA-15 & ESE-35) & Practical-50 (CA-30 & ESE-20)]

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Atomic structure	Samyabrati Sarkar	September, 2024	NA	6	
	Unit II	Periodic table	Deeppriya Roy Sarkar	September, 2024	NA	6	
	Unit III	Chemical bonding	Samyabrati Sarkar & Deeppriya Roy Sarkar	November, 2024	NA	3+6	CIA-I
	Unit IV	Basics of organic chemistry	·				Last week of
General Chemistry - I		a. Organic compounds	Mousumi Kundu	August. 2024	NA	2	September
(BSCCEMMN101)		b. Electronic displacements	Mousumi Kundu	September, 2024	NA	2	CIA-II
		c. Reactive intermediates	Samyabrati Sarkar	November, 2024	NA	3	Last week of November
		d. Introduction to organic reactions	Mousumi Kundu	November, 2024	NA	4	
		e. Stereochemistry	Mousumi Kundu	November, 2024	NA	5	
	Practical	Organic Chemistry Practical	Mousumi Kundu	November, 2024	20	NA	

• NA – Not Applicable

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -I: Skill Enhancement Course (SEC)

Full Marks: 50 [Theory (CA - 15 & ESE - 35)]

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Paints	Sourav Mardanya & Deeppriya Roy Sarkar	November, 2024	NA	6+6	CIA-I Last week of September CIA-II Last week of
Industrial Chemistry	Unit II	Electrochemical and electro-thermal industries	Samyabrati Sarkar	November, 2024	NA	6	
(BSCCEMSE101)	Unit III	Ceramics	Samyabrati Sarkar	September, 2024	NA	6	
	Unit IV	Rusting of iron and steel	Sourav Mardanya	September, 2024	NA	6	November
	Unit V	Industrial safety and fire protection	Deeppriya Roy Sarkar	September, 2024	NA	6	

• NA – Not Applicable

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -I Multi-Disciplinary (MD)

Full Marks: 50 (Theoretical ESE – 35 & Theoretical CA – 15)

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Thermodynamics laws	Samyabrati	September,	NA	10	
-			Sarkar	2024			
	Unit II	States of matter					CIA-I
		a. Gaseous state	Sourav	September,	NA	6	Last week of
Physical Science			Mardanya	2024			September
		h the fileters	Sourav	No	NA	3	
(BSCCEMMD101)		b. Liquid state	Mardanya	November, 2024			CIA-II
		c Solid state	Sourav	November 2024	NA	3	Last week of
-		c. Solid state	Mardanya	November, 2024			November
	Unit III	Chaminal kinatian	Samyabrati	Neurophan 2024	NA	8	
	Unit III	Chemical kinetics	Sarkar	November, 2024			

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -III (Major)

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Coordination chemistry	Sourav Mardanya & Mousumi Kundu & Deeppriya Roy Sarkar	November, 2024	NA	6+6+6	CIA-I Last week of November
Inorganic Chemistry- I(BSCCEMMJ301)	Unit II	Chemistry of s and p block elements	Deeppriya Roy Sarkar & Mousumi Kundu	December-January, 2024	NA	6+3	CIA-II Last week
	Unit III	Chemistry of d block elements	Sourav Mardanya & Mousumi Kundu	December-January, 2024	NA	6+3	week of January
	Practical	Inorganic chemistry practical	Sourav Mardanya	December-January, 2024	22	NA	

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -III (Major)

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Mathematics in physical chemistry	Samyabrati Sarkar	October, 2024	NA	6	CIA-I Last week of
Physical Chemistry-I	Unit II	Thermodynamics-I	Samyabrati Sarkar	November, 2024	NA	9	November
(BSCCEMMJ302)	Unit III	Properties of solids	Samyabrati Sarkar	December, 2024	NA	9	
	Unit IV	Electrochemistry	Samyabrati Sarkar	January, 2024	NA	12	CIA-II
	Practical	Physical chemistry practical	Samyabrati Sarkar	December, 2024	18	NA	Last week week of January

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -III (Minor)

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Nuclear chemistry	Deeppriya Roy Sarkar	November, 2024	NA	6	CIAL
Inorganic and	Unit II	Coordination chemistry	Deeppriya Roy Sarkar	January, 2024	NA	6	CIA-I Last week of November CIA-II Last week of
organic chemistry	Unit III	Stereochemistry II	Mousumi Kundu	November, 2024	NA	6	
(BSCCEMMN301)	Unit IV	Carbohydrate chemistry	Mousumi Kundu	January, 2024	NA	6	
	Practical	Inorganic chemistry practical	Deeppriya Roy Sarkar	December, 2024	20	NA	January

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -V (CORE)

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Biomolecules	Mousumi Kundu, Samyabrati Sarkar & Deeppriya Roy Sarkar	September, 2024	NA	6+6+6	CIA-I Last week of September CIA-II Last week of November
Organic	Unit II	Bioenergetics	Mousumi Kundu, Sourav Mardanya & Deeppriya Roy Sarkar	September, 2024	NA	6+6+6	
Chemistry- V(BSCHCEMC501)	Unit III	Pharmaceutical compounds	Mousumi Kundu & Deeppriya Roy Sarkar	November, 2024	NA	6+4	
	Unit IV	Synthetic methodology	Mousumi Kundu & Deeppriya Roy Sarkar	November, 2024	NA	6+8	
	Practical	Organic chemistry practical	Mousumi Kundu	November, 2024	22	NA	

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -- V (CORE)

Full Marks: 100 [Theory-50 (CA-15 & ESE-35) & Practical-50 (CA-30 & ESE-20)]

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	Redox potential and redox equilibria	Sourav Mardanya, Samyabrati Sarkar	September, 2024	NA	12+6	
Inorganic	Unit II	Nuclear chemistry	Sourav Mardanya, Samyabrati Sarkar & Deeppriya Roy Sarkar	November, 2024	NA	12+6+6	CIA-I Last week of September CIA-II Last week of November
Chemistry-IV (BSCHCEMC502)	Unit III	Organometallic compounds	Sourav Mardanya, Samyabrati Sarkar & Deeppriya Roy Sarkar	November, 2024	NA	6+12+6	
	Practical	Inorganic chemistry practical	Sourav Mardanya & Deeppriya Roy Sarkar	November, 2024	22	NA	

• NA – Not Applicable

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -V DISCIPLINE SPECIFIC ELECTIVE (DSE)

Full Marks: 50 (Theoretical ESE – 35 & Theoretical CA – 15)

Name of the Paper	Unit Number	Торіс	Name of the Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
	Unit I	The atmosphere	Deeppriya Roy Sarkar	September, 2024	NA	6	CIA-I Last week of September CIA-II
Environmental	Unit II	Aspects of environmental inorganic chemistry	Sourav Mardanya	September, 2024	NA	6	
chemistry (BSCHCEMDSE502)	Unit III	The hydrosphere	Deeppriya Roy Sarkar	November, 2024	NA	6	
	Unit IV	The lithosphere and pollution control	Sourav Mardanya	November, 2024	NA	6	Last week of November

Academic Calendar and Academic Plan for AY 2024-25 (ODD SEMESTER)

Semester -V DISCIPLINE SPECIFIC ELECTIVE (DSE)

Full Marks: 50 (Theoretical ESE – 35 & Theoretical CA – 15)

Name of the Paper	Unit Number	Торіс	Name of Teacher	To be completed during the month and year	No of Practical Classes	No of Theoretical Classes	Continuous Internal Assessment in the Month of
Solid state chemistry (BSCHCEMDSE503)	Unit I	Basic concepts and selected structures	Mousumi Kundu	September, 2024	NA	12	CIA-I Last week of September CIA-II Last week of
	Unit II	Crystallographic Basics	Samyabrati Sarkar	September, 2024	NA	6	
	Unit III	Chemical Bonding in Solids	Samyabrati Sarkar & Mousumi Kundu	November, 2024	NA	6+6	
	Unit IV	Properties of solids	Mousumi Kundu	November, 2024	NA	6	November