

**Lesson Plan (2019-20)****TEACHER: SUSOVAN MANDAL (ORGANIC CHEMISTRY)****UG SEMESTER-I****PAPER: CC-1T (ORGANIC CHEMISTRY-I), Stereochemistry I (25 Lectures)**

PERIOD	TOPIC(S) TO BE COVERED
October 2019	Bonding geometries of carbon compounds
November 2019	Concept of chirality and symmetry
December 2019	Relative and absolute configuration, Class test
January 2019	Optical activity of chiral compounds , Previous year question solve, Class test

PAPER: CC-1P (CHEMISTRY LAB-I)

PERIOD	TOPIC(S) TO BE COVERED
November 2019	Separation
December 2019	Determination of boiling point
January 2019	Identification of a Pure Organic Compound

PAPER: GE-1T (SECTION-B: ORGANIC CHEMISTRY-I)

PERIOD	TOPIC(S) TO BE COVERED
October 2019	Fundamentals of Organic Chemistry
November 2019	Stereochemistry
December 2019	Aliphatic Hydrocarbons

UG SEMESTER-II**PAPER: CC-4T (ORGANIC CHEMISTRY-II), Stereochemistry II (20 Lectures)**

PERIOD	TOPIC(S) TO BE COVERED
February 2020	Chirality arising out of stereoaxis
March 2020	Concept of prostereoisomerism, Class Test
April 2020	Conformation, Class Test
May 2020	Previous year question solve, Practice

PAPER: CC-4P (CHEMISTRY LAB)

PERIOD	TOPIC(S) TO BE COVERED
March 2020	Organic Preparations
April 2020	Organic Preparations, Purification
May 2020	Organic Preparations, Purification

UG SEMESTER-III**PAPER: CC-7T (ORGANIC CHEMISTRY-III), Aromatic Substitution and Organometallics (15 Lectures)**

PERIOD	TOPIC(S) TO BE COVERED
August 2019	Electrophilic aromatic substitution
September 2019	Nucleophilic aromatic substitution
October 2019	Grignard reagent
November 2019	Previous year question solve, Class test

PAPER: GE-3T (SECTION-B, ORGANIC CHEMISTRY-II)

PERIOD	TOPIC(S) TO BE COVERED
September 2019	Aromatic Hydrocarbons, Organometallic Compounds
October 2019	Aryl Halides, Alcohols, Phenols and Ethers
November 2019	Carbonyl Compounds

**Lesson Plan (2019-20)****PAPER: GE-3P (SECTION-B, ORGANIC CHEMISTRY LAB)**

PERIOD	TOPIC(S) TO BE COVERED
September 2019	Identification of a pure organic compound
October 2019	Identification of a pure organic compound
November 2019	Identification of a pure organic compound

UG SEMESTER-IV**PAPER: CC-10T (ORGANIC CHEMISTRY-IV), The Logic of Organic Synthesis**

PERIOD	TOPIC(S) TO BE COVERED
February 2020	Retrosynthetic analysis
March 2020	Retrosynthetic analysis
April 2020	Retrosynthetic analysis, Strategy of ring synthesis
May 2020	Asymmetric synthesis, Previous year question solve, Class tests

UG SEMESTER-V**PAPER: CC-12T (ORGANIC CHEMISTRY-V): Cyclic Stereochemistry and Bio-molecules**

PERIOD	TOPIC(S) TO BE COVERED
July 2019	Cyclic Stereochemistry
August 2019	Cyclic Stereochemistry, Amino acids
September 2019	Nucleic acids, Peptides
October 2019	Previous year question solve, Class tests

PG SEMESTER-I**PAPER: CEM 102 (ORGANIC CHEMISTRY):**

PERIOD	TOPIC(S) TO BE COVERED
October 2019	Unit-5: Retrosynthetic analysis-I
November 2019	Unit-5: Retrosynthetic analysis-I
December 2019	Unit-5: Retrosynthetic analysis-I

PG SEMESTER-II**PAPER: CEM 201 (ORGANIC CHEMISTRY):**

PERIOD	TOPIC(S) TO BE COVERED
February 2020	Unit-3: Retro synthetic analysis-II
March 2020	Unit-3: Retro synthetic analysis-II
April 2020	Unit-3: Retro synthetic analysis-II

PG SEMESTER-III**PAPER: CEM 302 (ORGANIC CHEMISTRY SPECIALIZATION):**

PERIOD	TOPIC(S) TO BE COVERED
September 2019	Unit 02: Linear Free Energy Relationship-I
October 2019	Unit 02: Linear Free Energy Relationship-I
November 2019	Unit-03: Linear Free Energy Relationship-II

PAPER: CEM 303 (ORGANIC CHEMISTRY SPECIALIZATION):

PERIOD	TOPIC(S) TO BE COVERED
September 2019	Unit-02: Bioorganic and Supramolecular Chemistry-II
October 2019	Unit-04: Peptides and Nucleic acids

**Lesson Plan (2019-20)****PAPER: CEM 395 (ORGANIC CHEMISTRY SPECIALIZATION):**

PERIOD	TOPIC(S) TO BE COVERED
September 2019 – December 2019 (16 weeks)	Project work

PG SEMESTER-IV**PAPER: CEM 402 (ORGANIC CHEMISTRY SPECIALIZATION):**

PERIOD	TOPIC(S) TO BE COVERED
February 2020	Unit-03: Biological Active Molecules
March 2020	Unit-04: Vitamins and co-enzymes
April 2020	Unit-04: Vitamins and co-enzymes

PAPER: CEM 403 (ORGANIC CHEMISTRY SPECIALIZATION):

PERIOD	TOPIC(S) TO BE COVERED
February 2020	Unit-01: Stereochemistry-III
March 2020	Unit- 05: Stereochemistry-VII

PAPER: CEM 495 (ORGANIC CHEMISTRY SPECIALIZATION):

PERIOD	TOPIC(S) TO BE COVERED
February 2020 – May 2020 (16 weeks)	Project work