

CBCS, Session 2023-2024 (July 2023-December 2023)

Proposed distribution of syllabus and class load.

Course: Chemistry Honours, Semester-5

Paper: CC-12, Organic Chemistry

Sl. No.	Number of lectures	Topic	Faculty responsible
1.	2	Polynuclear hydrocarbons and their derivatives:Naphthalene	Dr. Kaushik Basu
2.	3	Polynuclear hydrocarbons and their derivatives: Anthracene and phenanthrene	Dr. Kaushik Basu
3.	3	Heterocyclic compounds: Five-membered heterocycles with one heteroatom; furan and pyrrole	Dr. Kaushik Basu
4.	2	Heterocyclic compounds: Five-membered benzo-fused heterocycles with one heteroatom; indole	Dr. Kaushik Basu
5.	3	Heterocyclic compounds: Six-membered heterocycles with one heteroatom; pyridine	Dr. Kaushik Basu
6.	3	Heterocyclic compounds: Six-membered benzo-fused heterocycles with one heteroatom; quinoline, isoquinoline	Dr. Kaushik Basu
7.	5	Alicyclic compounds: Conformational analysis	Dr. Kalyan Kumar Mandal
8.	5	Alicyclic compounds: Reactivity	Dr. Kalyan Kumar Mandal
9.	3	Pericyclic reactions: Electrocyclic reactions	Dr. Kalyan Kumar Mandal
10.	3	Pericyclic reactions: Cycloaddition reactions	Dr. Kalyan Kumar Mandal
11.	2	Pericyclic reactions: Sigmatropic rearrangements	Dr. Kalyan Kumar Mandal
12.	7	Biomolecules: Carbohydrates: Structure, configuration and conformation	Dr. Kaushik Basu
12.	5	Biomolecules: Carbohydrates: Reactions of monosaccharides	Dr. Kaushik Basu
12.	2	Biomolecules: Carbohydrates: Disaccharides	Dr. Kaushik Basu
13.	6	Biomolecules: Amino acids	Dr. Kalyan Kumar Mandal
13.	4	Biomolecules: Peptides, proteins	Dr. Kalyan Kumar Mandal
13.	2	Biomolecules: Nucleic acids	Dr. Kalyan Kumar Mandal