

I- Chemistry of Halogenated Hydrocarbons
III -Semester

Lecture-1

Slide-1

Dr. Riaz Hasan
Department of Chemistry
DSPMUniversity, Ranchi, JH-India

Core Course - VI (CC-VI)
Organic Chemistry - II
(Credits: Theory - 04, Practical - 02)

Theory: 60 Lectures
Full Marks: 60+15
Time: 03 Hrs

Eight questions are to be set out of which five are to be answered.

I Chemistry of Halogenated Hydrocarbons:

Alkyl halides: Methods of preparation, nucleophilic substitution reactions – S_N1 , S_N2 and S_Ni mechanisms with stereochemical aspects and effect of solvent etc.; nucleophilic substitution vs. elimination.

Aryl halides: Preparation, including preparation from diazonium salts. Nucleophilic aromatic substitution; S_NAr , Benzyne mechanism.

Organometallic compounds of Mg and Li –Use in synthesis of organic compounds.