

Semester-3 (Paper CC-3/GE-3):

*Chemistry of aromatic hydrocarbons*

Study Material-1 is available [here](#). (Benzene – structure, unique features, resonance, implication of resonance stabilization, aromatic nature, examples of other aromatic molecules,; preparative methods for benzene). (uploaded on 14.09.2021).

Study Material-2 is available [here](#). (Benzene – aromatic electrophilic substitution, mechanism, energy profile, rate and orientation effect of substituents in aromatic electrophilic substitutions on monosubstituted benzene). (uploaded on 24.09.2021).

Study Material-3 is available [here](#). (Aromatic electrophilic substitution – nitration, halogenation – mechanism, examples, limitations, modifications). (uploaded on 12.11.2021).

Study Material-4 is available [here](#). (Aromatic electrophilic substitution – Friedel-Crafts alkylation – mechanism, examples, limitations). (uploaded on 17.12.2021).

Study Material-5 is available [here](#). (Aromatic electrophilic substitution – Friedel-Crafts acylation – mechanism, examples; Activated aromatic nucleophilic substitution). (uploaded on 17.12.2021).

Study Material-6 is available [here](#). (Organometallic compounds, Grignard reagents, synthesis; Reformatsky reaction and its application). (uploaded on 30.12.2021).