

Programme: Master of Science Chemistry (MSCCH20)

Year / Semester: IVth semester

Paper Code: MCH 606

Paper Name: Photochemistry & Stereochemistry

Syllabus

BLOCK III : ORGANIC PHOTOCHEMISTRY

Unit – 11: Electronic transitions

Unit – 12: Photochemistry of carbonyl compounds

Unit – 13: Photochemistry of alkenes and dienes

Unit – 14: Photochemistry of benzene derivatives

Unit – 15: Photochemistry of peroxides, nitrites, hypohalites, azo compounds and Diazo compounds

BLOCK IV : STEREOCHEMISTRY – II

Unit -16: Conformations of some acyclic molecules

Unit-17: Conformations of disubstituted cyclohexanes, cyclohexenes and Monosubstituted cyclohexanes

Unit-18: Conformation of disubstituted cyclohexanes, cyclohexanes and Cyclohexanones

Unit – 19: Conformations of a few other monocyclic and bicyclic systems

Unit – 20: Conformation and reactivity