

Programme: Master of Science Chemistry (MSCCH20)

Year / Semester: IVth semester

Paper Code: MCH 607

Paper Name: Synthetic Organic Chemistry- II

Syllabus

BLOCK III : SYNTHETIC STRATEGIES

Unit – 11 : Introduction, target selection and terminology

Unit – 12 : Disconnection approach with examples

Unit – 13 : Strategic bond in carbocyclic and heterocyclic systems

Unit – 14 : Applications of some important strategies in organic synthesis

Unit – 15 : Some selected synthesis

BLOCK IV : ASYMETRIC SYNTHESIS

Unit – 16 : Topicity, configurational descriptors and stereoselectivity

Unit – 17 : Principles of asymmetric synthesis and analysis of stereoisomer mixture

Unit – 18 : Substrate controlled methods

Unit – 19 : Auxilliary controlled methods

Unit – 20 : Reagent controlled and catalyst controlled synthesis