

Programme: Master of Science Chemistry (MSCCH20)
Year / Semester: IVth semester
Paper Code: MCH 608
Paper Name: Heterocyclic Compounds and Spectroscopy III

Syllabus

BLOCK III : HETEROCYCLIC COMPOUNDS

Unit – 11 : Membered heterocycles containing two hetero atoms

Unit – 12 : Membered heterocycles containing more than two hetero atoms

Unit – 13 : Membered heterocycles containing two hetero atoms

Unit – 14 : Synthesis of pyrimidine, purine and xanthine bases

Unit – 15 : And 4-membered heterocyclic compounds

BLOCK IV : SPECTROSCOPY – III

Unit – 16 : ¹³C NMR spectroscopy – I

Unit – 17 : ¹³C NMR spectroscopy – ii

Unit – 18 : ¹⁹F, ³¹P NMR spectroscopy

Unit – 19 : Multipulse sequences in NMR spectroscopy

Unit – 20 : Optical rotatory dispersion studies (ORD)