

**Programme: Master of Science Chemistry (MSCCH20)**

**Year / Semester: IIIrd semester**

**Paper Code: MCH 603**

**Paper Name: Natural Product/ Enzyme & Biogenesis**

**Syllabus**

**BLOCK I : NATURAL PRODUCTS – II**

Unit – 1: Alkaloids Unit

– 3: Prostaglandins Unit –

4: Vitamins

Unit – 5: Rotenoids and porphyrins

**BLOCK II : ENZYMES AND BIOGENESIS**

Unit – 6: Enzymes and their reactivity

Unit – 7: Biochemical path ways – I

Unit – 8: Metabolism of fatty acids and proteins

Unit – 9: Biosynthetic methods, general methods and feeding experiments

Unit –10: Biosynthesis aromatic hydro carbons by acetate/malonate and Shikimic acid pathway