

Z0553 TOXICOLOGY

Programme: Master of Science Zoology MSCZO12

Year / Semester: 2nd Year

Credits: 6

BLOCK – I: FUNDAMENTAL OF INSECTICIDE TAXICOLOGY

Unit –1: Formulations and Classification of Insecticides

Unit –2: Evaluation of Insecticide Toxicity

Unit –3: Insecticides and Cuticle

Unit –4: Effects of Insecticides on the Nervous System

BLOCK – II: BOTANICALS AND CONVENTIONAL INSECTICIDES

Unit –5: Botanical Insecticides

Unit –6: Organochlorines

Unit –7: Organophosphorus Insecticides

Unit –8: Carbamate Insecticides

BLOCK – III: NEWER INSECTICIDES

Unit –9: Synthetic Pyrethroids

Unit –10: Molecules with Different Chemistry

Unit –11: Synthetic Insect Control Agents

BLOCK – IV: METABOLISM, RESISTANCE AND RESIDUES

Unit –12: Photochemistry of Pesticides

Unit –13: Microsomal Mono-Oxygenases

Unit –14: Extra – Microsomal Metabolism of Insecticides

Unit –15: Insecticide Resistance

Unit –16: Pesticide Residues