

## M.Sc. SEMESTER IV

### **APPLIED ENTOMOLOGY**

**COURSE – 20 Practical Zoology (IV) LABORATORY MANUAL AND RECOERD  
Credits –4**

**Paper code: MZO610 (L)**

**Total Marks: 100**

#### **Block – I**

##### **Insect External Morphology**

Unit –1 : External Characters of Typical Insect (Viz., Grasshopper)

Unit –2 : Demonstration of Chitin in the Integument

Unit –3 : Identification of Some Common Orders of Class Insecta.

#### **Block – II**

##### **Economic Entomology**

Unit –4 : Identification of Important Pests and their Symptoms of Damage

Unit –5 : Identification of Importance Pests stored grains –  
and their symptoms of damage

Unit –6 : Important Pests of Horticultural Crops – and their symptoms of damage

Unit –7 : Attraction by insect Sex Pheromones

#### **Block – III**

##### **Forensic Entomology, Urban Entomology and Medical Entomology**

Unit –8 : Forensic Entomology Practical

Unit –9 : Excavation of an Identification of Mosquito Vectors

#### **Block – IV**

##### **Dissections**

Unit –10 : Dissections of Mouth Parts of Insects

Unit –11 : Dissections of Silk Gland, Appendages, Digestive System

#### **Block – V**

##### **Field Visit & Report**

Unit –12 : Visit to Biological Control Laboratory

