

## **Z 403C – ENTOMOLOGY**

### **UNIT-I**

1. Introduction; general characters of Insects
2. Integuments; segmentation and Body region.
3. Classification of Insects up to family
4. Primary knowledge of tools and techniques of Insect collection and their preservation

### ***UNIT-II General organization of different systems***

1. Anatomy of Different Systems Digestive system; Mouth parts and mode of feeding
2. Circulatory system
3. Respiratory system
4. Reproductive system
5. Endocrine system
6. Sense organs
7. Legs and locomotion

### ***UNIT-III PHYSIOLOGY OF INSECTS***

1. Digestion and absorption
2. Excretion and Osmoregulation
3. Ecdysis and its hormonal regulation
4. Bioluminescence and sound production
5. Metamorphosis and role of hormones
6. Classification of Insect's hormones

### ***UNIT-IV APPLIED ENTOMOLOGY***

1. Household Insects and their control
2. Insect pests to crops, Pulses, Vegetables and their control
3. Stored grain pests and their control
4. Hormones and pest management
5. Biological control and Management