

M.Sc. FINAL (ZOOLOGY) 2003-2004 and onward

PAPER - FIFTH

APPLIED - ENTOMOLOGY

(Questions will be set from each Unit)

- UNIT - I**
1. Out line classification of insects upto families according to imms.
 2. Pathogenic and Non pathogenic insects, their role in contaminating and causing water born diseases.
 3. Collection and preservation of insects.
 4. Insects as carriers of Plant diseases.
 5. Insects in the service of forensic science.
 6. Wood boring beetles (Life history and control measures).

- UNIT - II**
1. Biological control of insect pests.
 2. Genetic control of insect pests.
 3. Insects resistance to insecticides.
 4. Principles of Pesticides residues and their hazards in India.
 5. Insecticide appliances.
 6. Insect Migration. Population fluctuation and factors.

- UNIT - III**
1. Common insect pests with their life cycles and control measures :-
 - (a) Pests of Cotton
 - (b) Pests of sugarcane
 - (c) Pests of Paddy
 - (d) Pests of stored food grains
 - (e) Pests of citrus and Mango
 - (f) Household insect pests
 - (g) Pests of pulses.

2. Insect pests - Management, strategies and Tools.
3. Insects of Medicinal and Veterinary importance.

- UNIT - IV**
1. Mulberry and nonmulberry sericulture.
 2. Apiculture
 3. Lac culture
 4. Insects and Pollination.
 5. Insects as Human food for future
 6. Ecological factors affecting the population and development of insects.