

U-34/2051

Set-3

B.Sc. hons in Agriculture (Sem - II)
Fundamentals of Entomology
Paper: ENT-101

1267/ML

Max. Marks : 110

Time : 3 hrs.

The Paper consists of three sections A, B & C. Section A and B have four questions each carrying 16 marks each. Candidates are required to do two questions from each section A and B. Section C is compulsory consisting of 23 short answer type questions of 2 marks each.

Section-A

- Q1. Describe the insect morphology and structure in detail?
Q2. How will you differentiate the genital organs of male and female insects?
Q3. Discuss the major sensory organs of insects?
Q4. Discuss the structure and functions of nervous system in insects?

Section -B

- Q5. Write the trade names of Carbofuran, Phorate, Buprofezin, Nereis toxin, and chlorpyrifos?
Q6. Classify insecticides? Discuss the recent pest control methods?
Q7. What is a systemic insecticide? Systemic insecticides are recommended against which type of insects?
Q8. Briefly describe the Principles and Tools of IPM.

Section -C

Q9. Write short notes on the following

- i) Write about the importance of taxonomy
- ii) Describe the effects of light on insect behaviour
- iii) Give two control methods of flea
- iv) Write the measures of insect dominance.
- v) Write the composition of Universal antidote
- vi) Describe the mode of action of Bacillus thuringiensis
- vii) Write the scientific names of any three insects
- viii) Discuss the importance of species of Pollinators
- ix) What are the main differences between Parasites and predators
- x) Discuss the losses caused by pests to agriculture crops?
- xi) Define wing venation
- xii) Metamorphosis
- xiii) Diptera
- xiv) Toxicity of insecticides
- xv) Insecticide act 1968
- xvi) Technidae
- xvii) Biotype
- xviii) Antidotes for insect poisoning
- xix) Metamorphosis
- xx) Transverse orientation
- xxi) Chordotonal organs
- xxii) In larval insects, which hormone inhibits the development of imaginal discs?
- xxiii) Give two control methods of flea