

## SET-C

This question paper contains 1 printed page.

Sr. No. of Question Paper \_\_\_\_\_

Your Roll No.....

Name of the Course : B.Sc. (Prog.) Applied Life Sciences with Agrochemicals and Pest Management

Semester : V

Unique Paper Code : 42237907

Name of the Paper : General Entomology

Time: 3 Hours

Maximum Marks: 75

### Instructions for Candidates

1. Write your Roll No., name of the paper, course, semester and date of examination on the first page of your answer sheet.
  2. Attempt **ANY FOUR** questions.
  3. All questions carry equal marks.
  4. Draw well labelled diagram wherever necessary.
  5. Each question carries equal marks (18.75).
- 
1. Give a broad outline classification of insects up to orders with suitable examples. Add a note on the characteristic features of any four economically important orders.
  2. Do insects hibernate? If not, then how do they cope with adverse climatic conditions. Explain this process of suspended development in insects and differentiate it from hibernation? Add a note on parthenogenesis and its types.
  3. Describe the structure and functions of the organs associated with insect digestion. Also explain the mechanism of this vital process.
  4. Give an account of various types of metamorphic development patterns in insects. How does the neuroendocrine system help in its regulation?
  5. How do insects process and excrete their nitrogenous waste? Explain the mechanism in aquatic and terrestrial insects.
  6. Describe the general structure of insect head along with a suitable diagram. what is the role of antenna in insect survival? Diagrammatically explain different types of antenna found in insects with examples.