

CS/2051

**B.Sc Zoology; Semester VI; May 2021
Option II : Pest Management (ZOO 306)**

753/MH

PAPER-II

Theory-40

Time Allowed: 3 hours

INSTRUCTIONS FOR CANDIDATES

Candidates are required to attempt two questions from each section A and B and the entire section C, which is compulsory.

Section : A

1. Describe Sericulture in detail. 6
2. Write short notes on the following:
 - I. Methods & Appliances of Bee Keeping
 - II. Disease^s of Honey Bees 3,3
3. Discuss the following;
 - I. Pollen
 - II. Royal Jelly
 - III. Bee Venom 2,2,2
4. What is Lac Culture ? Describe Host Plants, Cultivation of Lac and Processing of Lac Industry. 6

Section : B

5. Discuss the following Agents of Biological Control
 - (a) Vertebrates
 - (b) Nematelminthes
 - (c) Arthropods 2,2,2
6. What is chemical control? Discuss different types and Classification of Insecticides. 6
7. Describe the Recent methods of Pest Control with special reference to Sterile Insect Release Methods and Behavioural control. 6
8. What is Integrated Pest Control? Discuss Pre-requisites, Implementation strategy, Framework of IPM programme and Perspective in IPM. 6

Section : C

Write short notes on the Following:

- I. Species of Honeybees
- II. Flora for Apiculture
- III. Honey
- IV. Bee wax
- V. Species of Lac culture
- VI. Diseases of Lac Cultivation
- VII. Microbial Control
- VIII. Techniques in Biological Control 8X2