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Name: .....

Reg. No. ....

FOURTH SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)  
EXAMINATION, APRIL, 2024

(CBCSS)

Zoology

POLAR12 01—ENTOMOLOGY—III : AGRICULTURAL, MEDICAL AND FORENSIC  
ENTOMOLOGY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

**Part A**

I. Short Answer Questions. Answer any *four* questions. Each question carries 2 weightage :

- 1 Give any *four* major causes of pest outbreak.
- 2 How the termites affect sugarcane ?
- 3 Give the symptoms of damage caused by mango nut weevil.
- 4 What are the types of chemosterilants used in pest control ?
- 5 Define juvenoids.
- 6 Give the classification of insecticides based on mode of entry with example.
- 7 Define forensic entomology and its uses.

(4 × 2 = 8 weightage)

**Part B**

II. Short Essay Questions. Answer any *four* questions. Each question carries 3 weightage :

- 8 Give a brief account on types of pest surveillance.
- 9 Give the advantages and disadvantages of insect antifeedants.
- 10 Give a brief account on Insect growth regulators and its advantages and disadvantages.
- 11 Give a brief account on legal control measures in pest management.

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- 12 What are the precautions to be taken for the use of fumigants ?
- 13 What are the methods of applications of maggot therapy ?
- 14 Give a brief account on post mortem index.

(4 × 3 = 12 marks)

### Part C

III. Essay Questions. Answer any *two* questions. Each question carries 5 weightage :

- 15 Describe in detail about the stem borer and leaf roller damage and control measures in paddy.
- 16 Explain in detail about the classification of insecticides based on mode of entry and action.
- 17 Describe in detail about the formulations of insecticides.
- 18 Describe in detail about methods in forensic entomology.

(2 × 5 = 10 weightage)