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Name.....

Reg. No.....

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2019**

(CUCSS—PG)

Zoology

ZO 4ET 12—ENTOMOLOGY III : AGRICULTURAL, MEDICAL AND FORENSIC  
ENTOMOLOGY

(2016 Admissions)

Time : Three Hours

Maximum : 36 Weightage

**Part A**

I. Answer all *fourteen* questions :

- 1 What are 'slow release insecticides' ?
- 2 Write notes on subterranean insects.
- 3 What is sporadic pest ?
- 4 How will you control red palm weevil ?
- 5 What is 'diamond black moth' ?
- 6 What is contact poison ? Give example.
- 7 What is mechanical control ?
- 8 Comment on economic threshold level.
- 9 Write down the scientific names of any *two* pests of cotton.
- 10 What is 'snake gourd semilooper' ?
- 11 Write down the control measures for 'pollu beetle' ?
- 12 What are the advantages of pheromonal control ?
- 13 Mention the desirable features of insect repellents.
- 14 What are antifeedants ?

(14 × 1 = 14 weightage)

**Part B**

II. Answer any *seven* questions :

- 15 Explain cultural control methods.
- 16 Write notes on botanical insecticides.

Turn over

- 17 Comment on the role of Coleoptera in Forensic Entomology.
- 18 Write notes on the common methods of control against stored product pests.
- 19 Explain Integrated Pest Management and its current relevance.
- 20 Explain the damage and control of any three paddy pests.
- 21 Discuss the injury by chewing insects to plants.
- 22 How will you estimate the damage caused by insects to plants.
- 23 Comment on insect growth regulators and their role in pest control.
- 24 Write notes on autocidal control.

(7 × 2 = 14 weightage)

### Part C

III. Answer any *two* questions :

- 25 Give an account on the insect pests of fruit trees.
- 26 Write an account on the chemistry, toxicology and mode of action of synthetic organic insecticides.
- 27 Explain biological control methods. Mention the biocontrol projects undertaken in India against insect pests.
- 28 Discuss the role of insect vectors in spreading human diseases.

(2 × 4 = 8 weightage)