

D 42587

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Name.....

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2018

(CUCSS)

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 is 'rice case worm' ?
- 2 What is pest surveillance ?
- 3 How is 'Kala-azar' transmitted ?
- 4 What are insecticide synergists ?
- 5 What are 'flowable powders' ?
- 6 What is myiasis ?
- 7 What is anaphylaxis ?
- 8 Comment on insect repellents.
- 9 Mention the role of fluorides as insecticides.
- 10 What is 'banana spittle bug' ?
- 11 Write notes on legal control
- 12 Name any *two* bacteria used as biocontrol agents of insects.
- 13 What is sterile male technique ?
- 14 Mention the hazards of fumigation.

(14 × 1 = 14 weightage)

Turn over

**Part B**

II. Answer any *seven* questions :

- 15 Explain mechanical control measures.
- 16 Classify insecticides based on mode of action.
- 17 Comment the role of Dipterans in Forensic Entomology.
- 18 Write notes on the major pests of sugar cane.
- 19 Comment on the economic importance of mango pests.
- 20 Explain applied biological control.
- 21 Discuss the use of pheromones in insect control.
- 22 Comment on the impact of pesticides on environment.
- 23 Write notes on pepper pests and their damage.
- 24 Explain the damage and control of the following pests (a) paddy army worm (b) rice leaf roller.

(7 × 2 = 14 weightage)

**Part C**

III. Answer any *two* questions :

- 25 Give an account on the different types of damage caused by insects to agricultural plants.
- 26 Write an account on the pests of coconut.
- 27 Classify insecticides based on chemical nature describing examples from each class.
- 28 Discuss the role of mosquitoes as disease vectors.

(2 × 4 = 8 weightage)