

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, MARCH 2020

(CUCSS)

Zoology

ZO4 ET 12—ENTOMOLOGY III : AGRICULTURAL, MEDICAL AND FORENSIC
ENTOMOLOGY

Time : Three Hours

Maximum : 36 Weightage

Part A

I. Answer all *fourteen* questions. Each question carries 1 weightage :

- 1 What is sporadic pest ?
- 2 Mention the damage by gram pod borer.
- 3 What is 'serpentine leaf miner' ?
- 4 What is 'maggot therapy' ?
- 5 Write down the scientific names of (a) Cotton leaf hopper ; and (b) American boll worm.
- 6 Mention the control measures of red palm weevil
- 7 What is 'red tree ant' ?
- 8 Comment on insect quarantine.
- 9 Name any *two* insect attractants.
- 10 What are chemosterilants ?
- 11 Write notes on JH mimics.
- 12 Comment on the role of bacteria in insect control.
- 13 What are botanical insecticides ? Give two examples
- 14 What is TEPP ?

(14 × 1 = 14 weightage)

Part B

II. Answer any *seven* questions. Each question carries 2 weightage :

- 15 Discuss the reasons for insects assuming pest status.
- 16 Explain the life history, damage and control measures of sugar cane top borer.

Turn over

- 17 Enlist the control measures for pests of stored products.
- 18 Write notes on physical control.
- 19 Discuss the status of Forensic Entomology in India.
- 20 Classify insecticides based on mode of entry.
- 21 Explain insecticide formulation
- 22 Comment on Integrated Pest Management.
- 23 Write notes on Myiasis and the insects related to it.
- 24 Explain the life history, damage and control of *Oryctes rhinoceros*.

(7 × 2 = 14 weightage)

Part C

III. Answer any *two* questions. Each question carries 4 weightage :

- 25 Give an account on the major pests of paddy.
- 26 Explain biological control of insect pests. Comment on its ecological significance.
- 27 Write an account on insect vectors of human diseases and their biology.
- 28 Give an account on organochlorine insecticides.

(2 × 4 = 8 weightage)