

C 42090

(Pages : 2)

Name.....

Reg. No.....

**FOURTH SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2023**

(CBCSS)

Zoology

ZOL 4E 12 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 Define ETL.
- 2 How can we control the effect of rice caseworm on paddy.
- 3 Give the egg and larval identification of serpentine leaf miner in tomato.
- 4 Define sterile insect technique.
- 5 Define chitin synthesis inhibitors and its effects.
- 6 Give short note on mode of action of pyrethrum and neem on insects.
- 7 Give a short note on leishmaniasis and its types.

(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 classification of pest based on occurrence and seasonality.
- 9 Give a brief account on damage symptoms and control measures of rhizome weevil and banana aphid.
- 10 Give the methods of sterilization in autocidal control of insects.
- 11 Give the advantages and disadvantages of chemical control.

Turn over

- 12 Give a brief account on identification and nature of damage by rice weevil on stored grains.
- 13 Give a brief account on mosquito control methods.
- 14 What are the major types of coleopterans used in forensic entomology.

(4 × 3 = 12 weightage)

Part C

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

- 15 Explain in detail about the methods of pest forecasting.
- 16 Explain in detail about the any ten cultural insect control methods.
- 17 Describe in detail about the insect repellents.
- 18 Disease transmission by insects - Explain with examples.

(2 × 5 = 10 weightage)