

21

428858

D 51361

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2023**

(CBCSS)

Zoology

ZOL 3E 09 (01)—ENTOMOLOGY—I : MORPHOLOGY AND TAXONOMY

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any *four* of the following. Short Answer Type Questions. Weightage 2 :

- 1 Holometabolous insects will develop quicker ?
- 2 What are the Diagnostic features of collembola ?
- 3 What are the Characters of reduviid blood-sucking bugs ?
- 4 Write a control measure of fleas.
- 5 Write the features of the opisthognathous Head.
- 6 Write a structure of wings.
- 7 Define Gall forming Insects.

(4 × 2 = 8 weightage)

II. Answer any *four* of the following. Short Essay Type Questions. Weightage 3 :

- 8 Write a detailed note on insect fossils.
- 9 Describe the physical characteristics and behaviour of Ephemeroptera
- 10 Write a detailed study about xylem-feeding insects.
- 11 Explain the biological control of parasitic Hymenoptera.
- 12 Write the shape and structure of prognathous head.
- 13 Write an essay on social life of bees.
- 14 Write a account on Gall making Insects.

(4 × 3 = 12 weightage)

Turn over

428858



III. Answer any *two* of the following. Long Essay Type Questions. Weightage 5 :

- 15 Write a brief note on the evolution of Hexapoda.
- 16 Write a brief note on cantharidin production in a blister beetle.
- 17 Write the brief note on modification of Insect Antennae.
- 18 What is leaf mines ? Write their feeding Habits and economic importance and Ecological aspects of leaf mines.

(2 × 5 = 10 weight)