



K19P 1137

Reg. No. :

Name :

III Semester M.Sc Degree (CBSS-Reg./Suppl./Imp.)

Examination, October - 2019

(2014 Admission Onwards)

Zoology

ZOO 3E01(B) : GENERAL ENTOMOLOGY

Time : 3 Hours

Max. Marks : 60

I. Answer any Two of the following: (2×12=24)

- 1) Explain the theories on segmentation of the head in insects.
- 2) Make a critical account of caste differentiation and social behaviour in honey bees.
- 3) Explain the structure and function of different mouth parts in insects.
- 4) Write an essay on parasitic hymenopterans and their role in biological control with examples.

II. Answer any Two of the following: (2×8=16)

- 5) Explain the stridulatory organs in Orthoptera.
- 6) Describe the parasitic adaptation of Phthiraptera.
- 7) Explain the diagnostic characters and biology of Lampyridae.
- 8) Describe the different types of galls formed by gall forming insects Explain the physiology of gall formation.

P.T.O.



III. Answer any **Four** of the following:

(4×5=20)

- 9) Distinguish between apterygotes and pterygotes.
- 10) Comment on medical importance of Reduviidae.
- 11) Briefly explain the wing coupling in Lepidoptera.
- 12) Write notes on feeding habits and frass disposal in leaf miners.
- 13) What are the adaptations of aquatic insects?
- 14) Comment on parental care in Dermaptera.