



K20P 1137

Reg. No. : .....

Name : .....

**III Semester M.Sc. Degree (CBSS – Reg./Suppl./Imp.)  
Examination, October 2020  
(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 diversity of antennae in insects. Add note on its structure and function.
- 2) Make a critical account of caste differentiation and social behaviour in Isoptera.
- 3) Explain the diagnostic characters, biology and economic importance of Diptera.
- 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 modification of thoracic legs.
- 6) Describe the role of pheromones in insect communication.
- 7) Explain the diagnostic characters and biology of Dermaptera.
- 8) Describe the respiratory adaptation in aquatic insects.

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

(4×5=20)

- 9) Distinguish between Exopterygota and Endopterygota.
  - 10) Comment on polymorphism in aphids.
  - 11) Briefly explain wing coupling in Lepidoptera.
  - 12) Write notes on mouth parts in naiads.
  - 13) What are parasitic adaptation in *Pediculus Humanus* ?
  - 14) Comment on economic importance of gall forming insects.
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