



K17P 1297

Reg. No.:

Name:

**Third Semester M.Sc. Degree (Reg./Suppl./Imp.)
Examination, November 2017
ZOOLOGY
ZOO3E01 – B : General Entomology
(2014 Admn. Onwards)**

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **any two** of the following. **Each** question carries **12** marks.

1. Describe various types of mouth parts in insects with diagrams.
2. Write an essay on various methods of communication in social insects.
3. Explain the diagnostic characteristics, biology and economic importance of order Lepidoptera.
4. Write an essay on structure and venation of insect wings. (2×12=24)

PART – B

Answer **any two** of the following. **Each** question carries **8** marks.

5. Briefly explain about *Pediculus humanus* and its parasitic adaptations.
6. Explain the economic importance of order Isoptera.
7. Briefly explain about gall making insects and types of galls.
8. Comment on head segmentation in insects. (2×8=16)

P.T.O.



PART - C

Answer **any four** of the following. **Each** question carries **5** marks.

9. Explain social behaviour in honey bees.
10. Comment on tentorium in insects.
11. Give a brief note on endothorax in insects.
12. Describe about male genitalia in insects.
13. Comment on mating behaviour of insects in Odonata.
14. Compare opisthognathus and prognathus head in insects.

(4x5 =20)