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**V—107—2017**

**FACULTY OF SCIENCE**

**B.Sc. (Third Year) (Fifth Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2017**

**ZOOLOGY**

Paper XIII (C)

(Entomology-I)

**(Friday, 17-11-2017)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt All questions.*

*(ii) All questions carry equal marks.*

*(iii) Draw well labelled diagrams wherever necessary.*

1. Write notes on any *four* of the following : 8
  - (a) Scope of Entomology
  - (b) Killing bottle
  - (c) Antennae of cockroach
  - (d) Silver fish
  - (e) Define metamorphosis
  - (f) Moulting in insects.
2. Write notes on any *two* of the following : 8
  - (i) Forensic entomology
  - (ii) Leg in insects
  - (iii) Setting of insects specimen
  - (iv) Aspirator.
3. Write notes on any *two* of the following : 8
  - (a) Explain thorax of cockroach.
  - (b) Explain Nervous system of cockroach.
  - (c) Explain female reproductive system of cockroach.
  - (d) Explain digestive system of cockroach.

P.T.O.

4. Write notes on any *two* of the following : 8
- (i) Explain salient features of order Diptera with suitable examples.
  - (ii) Explain salient features of order Isoptera with suitable examples.
  - (iii) Explain salient features of order Lepidoptera with suitable examples.
  - (iv) Explain salient features of order Coleoptera with suitable examples.
5. Describe in detail any *one* of the following : 8
- (a) Give an account on different types of metamorphosis.
  - (b) Give an account on hormonal control of metamorphosis in insects.