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W—124—2018

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2018

(CGPA Pattern)

ZOOLOGY

Paper XIII

(Entomology—I)

(Wednesday, 24-10-2018)

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) Define Entomology
 - (b) Killing bottle
 - (c) Antennae of cockroach
 - (d) Sliver fish
 - (e) Metamorphosis in insect
 - (f) Moulting in insect
2. Write notes on any *two* of the following : 8
 - (i) Forensic entomology
 - (ii) Head in insects
 - (iii) Pinning of insects
 - (iv) Methods of insects collection
3. Write notes on (any *two*) : 8
 - (i) Explain external morphology of cockroach.
 - (ii) Explain Nervous system of cockroach.
 - (iii) Explain Digestive system of cockroach.
 - (iv) Explain female reproductive system of cockroach.

P.T.O.

- 4. Write notes on (any *two*) : 8
 - (i) Explain salient features of order Diptera with suitable example.
 - (ii) Explain salient features of order Thysanura with suitable example.
 - (iii) Explain salient features of order Isoptera with suitable example.
 - (iv) Explain salient features of order Coleoptera with suitable example.

- 5. Describe in detail any *one* of the following : 8
 - (a) Describe in detail metamorphosis in insects.
 - (b) Describe effect of temperature and light on insect life.