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Y—141—2019

FACULTY OF SCIENCE AND TECHNOLOGY

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

OCTOBER/NOVEMBER, 2019

(CBCS Pattern)

ZOOLOGY

Paper-XIII (C) (Applied Zoology)

(Entomology-I)

(Wednesday, 20-11-2019)

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 diagram wherever necessary.

1. Attempt any *four* of the following : 8

(a) Define Entomology.

(b) Insect net

(c) Mandibles of cockroach

(d) Hemimetabola

(e) Larva of insect

(f) Beetle.

2. Attempt any *two* of the following : 8

(a) Explain agriculture entomology.

(b) Explain salivary apparatus of cockroach.

(c) Mushroom glands of cockroach.

P.T.O.

3. Attempt any *one* of the following : 8
- (a) Explain salient features of class insecta.
 - (b) Explain nervous system and cockroach.
4. Attempt any *two* of the following : 8
- (a) Explain salient features of order diptera with suitable example.
 - (b) Explain salient features of order odonata with suitable example.
 - (c) Explain hormonal control of metamorphosis in insects.
5. Attempt any *one* of the following : 8
- (a) Explain salient features of order Thysanura and Lepidoptera with suitable example.
 - (b) Explain effect of humidity and food on insect life.