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W—120—2018

FACULTY OF SCIENCE AND TECHNOLOGY

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

OCTOBER/NOVEMBER, 2018

(CBCS Pattern)

ZOOLOGY

Paper XIII

(Entomology—I) (DSEZ—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) Illustrate your answers with suitable labelled diagrams wherever necessary.

1. Attempt any *four* of the following : 8
 - (a) Define Entomology
 - (b) Light trap
 - (c) Antennae of cockroach
 - (d) Lepisma
 - (e) Holometabola
 - (f) Larva in insects
2. Attempt any *two* of the following : 8
 - (a) Forensic entomology
 - (b) Trachea in insect
 - (c) Pinning of insects specimen
3. Attempt any *one* of the following : 8
 - (a) Explain methods of collection in Insects.
 - (b) Describe Nervous system of cockroach.

P.T.O.

4. Attempt any *two* of the following : 8
- (a) Explain salient features of order Diptera with suitable examples.
 - (b) Explain salient features of order Isoptera with suitable examples.
 - (c) Give an account of different types of metamorphosis in Insect.
5. Attempt any *one* of the following : 8
- (a) Explain salient features of order Odonata with suitable examples.
 - (b) Give an account on hormonal control of metamorphosis in Insects.