

This question paper contains 2 printed pages]

SB—107—2022

FACULTY OF SCIENCE

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

MAY/JUNE, 2022

(CBCS/New Pattern)

ZOOLOGY

Paper XIII-C

(Applied Zoology)

(Entomology-I)

(Friday, 17-06-2022)

Time : 10.00 a.m. to 12.30 p.m.

Time— 2.30 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) All questions carry equal marks.

(iii) Draw well labelled diagram, wherever necessary.

1. Describe methods of insects collection and preservation. 8

Or

Describe salient features of class insecta.

2. Describe external morphology of cockroach and add a note on sexual demorphism. 8

Or

Describe male reproductive system of cockroach.

3. Describe salient features of order odonata. 8

Or

Describe salient features of order lepidoptera.

P.T.O.

4. Describe ametabola and holometabola in insects. 8

Or

Describe hormonal control of metamorphosis in insects.

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

- (a) Forensic entomology;
- (b) Sense organs of Cockroach;
- (c) Elyta;
- (d) Effect of light on insect life.