

This question paper contains 2 printed pages|

**NA—66—2023**

**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. (Third Year) (Fifth Semester) EXAMINATION**  
**NOVEMBER/DECEMBER, 2023**  
**(CBCS/New Pattern)**

**ZOOLOGY**

**Paper—XIII-C**

**(Applied Zoology)**

**(Entomology–I)**

**(Thursday, 14-12-2023)**

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

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt all questions.*

*(ii) Illustrate your answers with suitably labelled diagrams wherever necessary.*

1. Describe external morphology with classification of cockroach. Add a note on sexual dimorphism. 15

*Or*

Explain the following :

(a) Medical and industrial entomology 8

(b) Explain methods of insect collection. 7

2. Give an account on hormonal control of metamorphosis. 15

*Or*

(a) Salient features with suitable examples of order Lepidoptera and Odonata. 8

(b) Salient features with suitable examples of order Coleoptera and Deptera. 7

P.T.O.

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3. Attempt any *two* of the following :

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- (a) Hand nets
- (b) Trachea
- (c) Honeybee
- (d) Ametabola.

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