

C 23900

(Pages : 2)

Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
APRIL 2022**

Zoology

ZOL 2B 02T—ANIMAL DIVERSITY : NON-CHORDATA—Part II

(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A**

I. Short Answer Questions. Each question carries 2 marks :

- 1 What is Osphradium ?
- 2 What is Lophophore ?
- 3 Comment on ecdysis.
- 4 Write notes on *Chiton*.
- 5 Describe Statocyst.
- 6 Distinguish prostomium and peristomium.
- 7 What is Madreporite ?
- 8 What are the salient features of Class Insecta ?
- 9 Comment on sexual dimorphism in *Bonellia*.
- 10 What are the functions of parapodium ?
- 11 Write notes on *Limulus*.
- 12 Brief the evolutionary significance of *Balanoglossus*.

(Ceiling : 20 marks)

**Section B**

II. Paragraph Questions. Each question carries 5 marks :

- 13 Describe the structure of radula.
- 14 Describe the nervous system of *Penaeus*.

Turn over

- 15 Comment on the economic importance of molluscs.
- 16 Describe *Antedon*.
- 17 Write notes on *Arenicola*.
- 18 Describe the structure of an ommatidium.
- 19 Write an account on the adaptations of *Hirudinaria*.

(Ceiling : 30 marks)

### Section C

III. Essay Questions. Answer any *one* question :

- 20 Explain the water vascular system of star fish with suitable diagram.
- 21 Write an essay on affinities of *Peripatus*.

(1 × 10 = 10 marks)