

D 32396

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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Zoology

ZOL 1B 01T—ANIMAL DIVERSITY : NON CHORDATA—Part I

(2019—2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

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

- 1 Explain the symmetry exhibited by ctenophores.
- 2 What is Spongocoel ?
- 3 What is sexual dimorphism ?
- 4 What is bladder worm ?
- 5 Explain Cnidoblast.
- 6 Define the features of class trematoda with example.
- 7 What are comb-jellies ?
- 8 Explain mutualism with reference to *Trichonympha*.
- 9 What is Phenetics ?
- 10 Write Notes on salient features of Kingdom Protista.
- 11 Briefly describe *Paramecium*.
- 12 Distinguish Binomial and Trinomial nomenclature.

(Ceiling : 20 marks)

Section B

II. Paragraph Questions. Each question carries 5 marks :

- 13 Write notes on Systematics and its importance.
- 14 Explain different types of symmetry with suitable examples.

Turn over

- 15 Describe Phylum Ciliophora giving examples.
- 16 Mention salient features of Classes of Porifera and site suitable examples.
- 17 Differentiate hydrozoa and anthozoa.
- 18 Describe the morphology of *Obelia*.
- 19 Explain sexual dimorphism in *Asacris*.

(Ceiling : 30 marks)

Section C

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

- 20 Write an essay on polymorphism in Cnidarians.
- 21 Describe the digestive system of *Dugesia* with a neat labeled diagram.

(1 × 10 = 10 marks)