

D 73303

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Name.....

Reg. No.....

FIRST SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CBCSS—UG)

Zoology

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

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

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

- 1 Mention eight kingdom classification of animals.
- 2 What is schizocoelic coelom ?
- 3 Mention the salient features of the phylum Parabasalia.
- 4 Distinguish between homology and analogy of organs.
- 5 Mention the peculiarities of *Noctiluca*.
- 6 Write on cydippid larva.
- 7 Write briefly on reproduction in rotifers.
- 8 Citing an example explain retroinfection.
- 9 Write a short note on *Dicyema*.
- 10 What is gemmule ?
- 11 *Fasciola* is a digenetic parasite. Why ?
- 12 Write briefly on *Chaetonotus*.

(Ceiling : 20 marks)

Section B

Paragraph Questions. Each question carries 5 marks :

Write briefly on the modern trends in systematics.

Explain the development of germ layers in animals.

Write an account on zoological nomenclature.

Turn over

- 16 Classify the phylum Porifera down to classes mentioning salient features and one example each.
- 17 With a labeled diagram explain the structural features of *Dugesia*.
- 18 Explain the characteristic features of *Ascaris*.
- 19 Mention the salient features of the class Anthozoa. Write a brief note on the examples you have studied.

(Ceiling : 30 marks)

Section C

III. Essay Questions. Answer any *one* :

- 20 Explain the process of conjugation in *Paramecium*.
- 21 Explain the life cycle of *Obelia*.

(1 × 10 = 10 marks)