

**D 73179**

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Name.....

Reg. No.....

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

(CUCBCSS—UG)

Zoology

ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE

Time : Three Hours

Maximum : 64 Marks

**Part A**

I. One word questions. Answer *all* questions. Each question carries 1 mark :

- 1 Mention the class to which *Leucosolenia* belongs.
- 2 Name an arthropod having discontinuous distribution.
- 3 \_\_\_\_\_ is a blood parasite.
- 4 Aprotist which exhibits bioluminescence.
- 5 \_\_\_\_\_ is known as 'lancelet'.
- 6 The larva of *Petromyzon* is \_\_\_\_\_.
- 7 \_\_\_\_\_ is an arboreal lizard.
- 8 \_\_\_\_\_ is a tailed amphibian.
- 9 A species at serious risk of extinction is called \_\_\_\_\_ species.
- 10 In India Wildlife (Protection) Act was introduced in the year \_\_\_\_\_.

(10 × 1 = 10 marks)

**Part B**

II. Short answer questions. Answer any *seven* questions. Each question carries 2 marks :

- 11 Mention the salient features of kingdom Protista.
- 12 What is hectocotylisation ?
- 13 Write four fundamental mammalian features.
- 14 Write the identifying features of Daboia.
- 15 What are the adaptations of Rhacophorus.
- 16 What is liver rot ?

**Turn over**

- 17 Write the salient features of the phylum Porifera.
- 18 Explain the salivary glands of rabbit.
- 19 What do you know about Red Data Book ?
- 20 Explain the concept of sustainable development.

(7 × 2 = 14 marks)

### Part C

III. Paragraph questions. Answer any *four* questions. Each question carries 5 marks :

21. Explain the major threats to biodiversity.
22. Write the mechanism of regulation of heart beat in rabbit.
23. With a labelled diagram explain the male reproductive system of *Penaeus*.
24. Explain dentition in rabbit.
25. Mention the salient features of the superclass Pisces. Classify down to classes giving diagnostic characters and one example each.
26. Write the salient features of the phylum Echinodermata. Add a brief note on two examples.

(4 × 5 = 20 marks)

### Part D

IV. Essay questions. Answer any *two* questions. Each question carries 10 marks :

- 27 With a labelled diagram explain the structure and working of the compound eye of *Penaeus*.
- 28 Explain the structure of the ear of rabbit with illustrations.
- 29 Providing a labelled sketch explain the male urino-genital system of rabbit.
- 30 What are the salient features of the phylum Arthropoda. Classify upto classes. Write brief notes on one example each.

(2 × 10 = 20 marks)