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(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2017

(CUCBCSS—UG)

Complementary Course

ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE

(2014 Admission onwards)

Time : Three Hours

Maximum : 64 Marks

(A) Answer all questions. Each carries 1 mark :

- 1 What is red tide ?
- 2 What is meant by cephalisation ?
- 3 Mention an aquatic insect.
- 4 What is odontoid process ?
- 5 What is biramous appendage ?
- 6 What is IUCN ?
- 7 Define wildlife sanctuary.
- 8 What is heterocercal tail ?
- 9 What is tunicin ?
- 10 What is a biodiversity hot spot ?

(10 × 1 = 10 marks)

(B) Answer any seven questions in two or three sentences each. Each carries 2 marks :

- 11 Briefly explain *in-situ* conservation.
- 12 Mention four salient features of Chondrichthyes.
- 13 Distinguish between polyp and medusa.
- 14 What do you know about red data book.
- 15 Explain the concept of sustainable development.
- 16 What are the identifying features of *Daboia* ?
- 17 Distinguish between chelate and non-chelate leg.

Turn over

- 18 What is double circulation ?
- 19 Write the adaptations of *Rhacophorus*.
- 20 What is a living fossil ?

(7 × 2 = 14 marks)

(c) Answer any *four* questions in not more than a paragraph each. Each carries 5 marks :

- 21 With a labelled diagram explain the fundamental chordate characters.
- 22 Explain the mechanism of respiration in *Oryctolagus*.
- 23 Explain the various threats to biodiversity.
- 24 Write an account on the helminth parasites you have studied.
- 25 Explain the various approaches in wildlife management and conservation.
- 26 With a labelled diagram explain the digestive system of *Penaeus*.

(4 × 5 = 20 marks)

(D) Write essays on any *two* of the following. Each carries 10 marks :

- 27 Explain the nervous system of *Penaeus*.
- 28 Explain the internal structure of the heart of *Oryctolagus*.
- 29 Explain the salient features of Urochordata and Cephalochordata.
- 30 Explain the urinogenital systems of *Oryctolagus*.

(2 × 10 = 20 marks)