

D 52768

(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

Complementary Course (Zoology)

ZOL 1C 01—ANIMAL DIVERSITY AND WILDLIFE

Time : Three Hours

Maximum : 64 Marks

(A) Answer *all* questions. Each question carries 1 mark.

- 1 What is a choanocyte ?
- 2 What is red data book ?
- 3 What is endostyle ?
- 4 What are tube feet ?
- 5 What is dendrobranch ?
- 6 What is mediastinum ?
- 7 What are bio-diversity hot spots ?
- 8 What is metamerism ?
- 9 Define national park.
- 10 What is shipworm ?

(10 × 1 = 10 marks)

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

- 11 Mention four salient features of Osteichthyes.
- 12 Explain sexual dimorphism in *Ascaris*.
- 13 What is Wildlife Protection Act ?
- 14 Explain the concept of sustainable development.
- 15 What is a biramous appendage ?
- 16 What is SA node ?
- 17 Explain ex-situ conservation.
- 18 What are the peculiarities of *Peripatus*.

Turn over

- 19 Write the flying adaptations of *Pteropus*.
- 20 Explain parental care in *Hippocampus*.

(7 × 2 = 14 marks)

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

- 21 Explain the various threats to bio-diversity.
- 22 Explain the working of the heart of *Oryctolagus*.
- 23 With labelled diagrams explain the cephalic appendages of *Penaeus*.
- 24 Explain the various approaches in wildlife management and conservation.
- 25 Explain the salient features of phylum Coelenterata.
- 26 Explain the salient features of class Reptilia.

(4 × 5 = 20 marks)

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

- 27 Explain the respiratory system and mechanism of respiration in *Penaeus*.
- 28 Explain the digestive system and mechanism of digestion in *Oryctolagus*.
- 29 Explain the salient features of Urochordata and Cephalochordata.
- 30 Explain the structure of brain in *Oryctolagus*.

(2 × 10 = 20 marks)