

**FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2015**

(CUCBCSS-UG)

**Complementary Course**

**ZO 1C 01—ANIMAL DIVERSITY AND WILD LIFE**

**Time : Three Hours**

**Maximum : 64 Marks**

**I Answer all questions :**

**A Name the following :-**

- 1 Appendage of *Penaeus* that lodges statocyst.
- 2 The class to which *Narcine* belongs.
- 3 The organism known as King Crab.
- 4 The phylum characterised by the presence of Choanocytes.
- 5 A sanguivorous annelidan ectoparasite.

**B Fill in the blanks :**

- 6 The connecting link between Annelids and Athropods is \_\_\_\_\_
- 7 The class characterised by the presence of Synsacrum is \_\_\_\_\_
- 8 First vertebra in the vertebral column of Rabbit is \_\_\_\_\_
- 9 Red Data Book is published by \_\_\_\_\_
- 10 \_\_\_\_\_ is known as Cuttle Fish.

**(10 x 1 = 10 marks)**

**II. Answer any seven questions :**

- 11 Write note on Green glands.
- 12 Write four unique features of class Mammalia.
- 13 Comment on the morphological features of *Arenicola*.
- 14 Write the adaptations of *Rhacophorus*.
- 15 Write note on Red Data Book.
- 16 What are Gemmules ?
- 17 Write the diagnostic characters of Chordates.
- 18 Write note on *Ichthyophis*.

19 Differentiate between Polyp and Medusa.

20 Mention the features of Noctiluca.

(7 x 2 = 14 marks)

III. Answer any *four* questions :

21 Write notes on :

(a) Sacculina

(b) Limulus.

22 Classify phylum Annelida upto classes .

23 Describe the structure of Ommatidium.

24 Explain the structure of brain of Rabbit.

25 Explain various causes of loss of Biodiversity.

26 Write the morphological features of Obelia

(4 x 5 = 20 marks)

IV. Answer any *two* questions :

27 Explain the digestive system of Rabbit.

28 Briefly explain the male and female reproductive system of *Penaeus*.

29 Explain various methods of Biodiversity Conservation.

30 Write the salient features of super class Pisces, classify it up to classes giving examples.

(2 x 10 = 20 marks)