

D 92870

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Name.....

Reg. No.....

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 × 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.

Turn over

- 19 Differentiate between Polyp and Medusa.
- 20 Mention the features of Noctiluca.

(7 × 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 × 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 × 10 = 20 marks)