

C 80068

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Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH/APRIL 2015

(UG-CCSS)

Core Course

Zoology

ZO 6B 14—ANIMAL DIVERSITY—II—CHORDATA

Time : Three Hours

Maximum : 30 Weightage

I. Answer all *twelve* questions. Each question carries 0.25 weightage :

A. Objective type questions :

1 The number of cranial nerves in Rana is :

- (a) 10. (b) 20.
(c) 24. (d) 12.

2 Which one of the following is an egg laying mammal ?

- (a) *Gaurs*. (b) *Ornithorhynchus*.
(c) *Physeter*. (d) *Armadillo*.

3 Which one of the following is a limbless amphibian ?

- (a) *Ichthyophis*. (b) *Draco*.
(c) *Bufo*. (d) *Rhacophorus*.

4 Which one of the following is known sting ray ?

- (a) *Etroplus*. (b) *Anabas*.
(c) *Narcine*. (d) *Trygon*.

B. Name the following :—

5 Name the genus of Peacock.

6 Name a connecting link between reptiles and birds.

7 Name the animal commonly known as Flying frog.

8 Name the larval stage of Amblystoma.

C. Fill in the blanks :

9 The dorsal shell of Chelone is called _____.

10 _____ is the genus of Tree frog.

Turn over

11 _____ is known as Dog fish.

12 The larval stage of *Petromyzon* is _____.

(12 × ¼ = 3 weightage)

II. Answer *all* nine questions :

13 Write *two* examples for Agnatha.

14 Write the morphological peculiarities of *Rhacophorus*.

15 What are retia mirabilia ? Mention their function.

16 What is meant by Sectorial teeth ?

17 What is Brown funnel ?

18 Write notes on Pecten.

19 What is Endosyle ?

20 What is Diastema ?

21 Write the scientific names of : (a) Frog ; and (b) pigeon.

(9 × 1 = 9 weightage)

III. Answer any *five* questions :

22 Describe the Retrogressive metamorphosis.

23 Explain the brain of *Oryctolagus*.

24 Describe the arboreal adaptations of Chameleon.

25 Describe the feeding mechanism of *Amphioxus*.

26 Write notes on the chordate characters of *Amphioxus*.

27 Explain the zoological importance of *Sphenodon*.

28 Describe the different types of feathers in *Columbia*.

(5 × 2 = 10 weightage)

IV. Answer any *two* of the following :—

29 Describe the classification of Amphibia down to Orders. Write salient features and examples.

30 Write an essay on the identification of poisonous and non-poisonous snakes. Add notes on the poison apparatus of snakes.

31 Describe the salient features of class birds. Add notes on the differences between Ratitae and Carinatae.

(2 × 4 = 8 weightage)