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UNIT - IV

8. Write notes on any *two* of the following : 7½
- (a) Digestive system of Rat : Structure and function.
- (b) Origin of mammals.
9. Describe general features and classification of Mammals up to orders. 7½

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Roll No.

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**B. Sc. (Hons.) Zoology 2nd Semester
Examination – May, 2019**

BIODIVERSITY-III CHORDATA

Paper : 201

Time : Three hours] [Maximum Marks : 40

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Unit. Question No. 1 is *compulsory*. Marks are indicated against each question.

1. Answer the following in about **20** words each :
- 1 × 10 = 10
- (a) Define Taxa.
- (b) Define and write one examples of Retrogressive metamorphosis.

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- (c) Name germ layer which develops to notochord.
- (d) Meaning of 'Uro' in Urochordata.
- (e) Explain Retrogressive metamorphosis.
- (f) Describe Sanguivorous animal.
- (g) Define Acrodont teeth.
- (h) Write about Placoid scales.
- (i) Discuss Significance of Air sacs.
- (j) Define Air bladder and its significance.

UNIT - I

- 1. Write notes on the following : 7½
 - (a) Principles of classification of chordates.
 - (b) Theories of origin of chordates.
- 2. Write notes on the following : 7½
 - (a) Salient features of chordates.
 - (b) Digestive system of Petromyzon.

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UNIT - II

- 4. Write notes on the following : 7½
 - (a) Structure and working of heart of *Scoliodon*.
 - (b) Migration in fishes.
- 5. Write notes on the following : 7½
 - (a) Parental care in Amphibians.
 - (b) Classification of Amphibians upto orders.

UNIT - III

- 6. Write notes on the following : 7½
 - (a) Write salient characters of group Reptilian.
 - (b) Differentiate between poisonous and non-poisonous snakes of India.
- 7. Describe various types of modifications in structures of birds for flight adaptations. 7½

(3)

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