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B.Sc. 4th Semester (New Scheme)

Examination, April-2018

BIOTECHNOLOGY

Paper-BT-401

Animal Diversity

Time allowed : 3 hours]

[Maximum marks : 40

Note: Question No.1 is compulsory. Attempt four more questions by selecting one question from each unit. All questions carry equal marks.

1. Write the short notes on the following: $1 \times 8 = 8$

(a) Study of fish is known as

(b) Two features of Proto-chordate

(c) Dinosaurs

(d) Placenta

(e) Anatomy

(f) Dermis

(g) Autonomic nervous system

(h) Name of bones present in ear (human)

Unit -I

2. What are general features of Chordate? How they are originated?

3. Write the note on any two: $4 \times 2 = 8$

(a) Branchiostoma

(2)

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(b) Paedogenesis

(c) Difference between bony & cartilage fish

Unit -II

4. Write the short note on any two: $4 \times 2 = 8$

(a) Migration of birds

(b) Classification of Reptile

(c) Dentition in mammal

5. Describe the origin and classification of the Aves (birds) in detail. 8

Unit -III

6. Describe the comparative anatomy of the various organs related to digestive system of the vertebrates. 8

7. Describe the comparative anatomy of the skin of the vertebrates. 8

Unit -IV

8. Describe comparative anatomy of vertebrate kidney. 8

9. Describe the comparative anatomy of the urinogenital system of the various classes of the vertebrates. 8