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SB—102—2022

FACULTY OF SCIENCE

B.Sc. (First Year) (Second Semester) EXAMINATION

MAY/JUNE, 2022

(New Course)

ZOOLOGY

Paper-III

(Comparative Anatomy of Vertebrates)

(Friday, 17-06-2022)

Time : 10.00 a.m. to 12.30 p.m.

Time— 2.30 Hours

Maximum Marks—40

N.B. :— (i) Attempt all questions.

(ii) Illustrate your answers with suitable labelled diagram wherever necessary

1. What is integument ? Describe in detail the derivatives of integuments in vertebrates. 15

Or

Write short notes on :

(a) Digestive Glands in Vertebrates. 8

(b) Accessory Respiratory organs. 7

2. Explain in detail the evolution of heart in vertebrates. 15

Or

Write short notes on :

(a) Comparative account on Aortic Arches in reptiles, birds and mammals. 8

(b) Pronephros and mesonephros. 7

P.T.O.

3. Write short notes on (any *two*) :

10

- (a) Structure of Neuron
- (b) Trachea
- (c) Metanephros
- (d) Sweat Glands.