

# **ED-629**

M.Sc. 3rd Semester Examination, March-April 2021

## **ZOOLOGY**

## Paper - I

Comparative Anatomy of Vertebrates

Time: Three Hours] [Maximum Marks: 80 [Minimum Pass Marks: 16]

**Note** : Answer **all** questions. All questions carry equal marks.

#### Unit-I

- 1. Write short notes on any two of the following:
  - (a) Extinct Reptiles
  - (b) Types of Dermal scales in fishes
  - (c) Bones of Hind limb in mammal
  - (d) Autonomic nervous system
  - (e) Venous Heart

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(Turn Over)

(2)

#### **Unit-II**

2. Write a note on Origin of Reptiles.

#### OR

Write notes on the following:

- (a) What is Neoteny? Describe it by suitable examples.
- (b) Write the classification of class Aves along with characters and examples.

#### **Unit-III**

**3.** Give a comparative account on pelvic girdle of Amphibia, Reptilia, Aves and Mammal.

## OR

Write notes on the following:

- (a) Different types of cuteneous glands and their functions
- (b) Claws and nails in vertebrates

#### **Unit-IV**

4. Explain double circuit Heart.

## OR

Give a comparative account on anatomy of lung in Aves and Mammal.

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## Unit-V

Write notes on genital ducts (male and female) in Reptilia and Aves.

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