

B.Sc. S.Y. (Part-II) (CBCS Pattern) Semester - III  
**USCZOT05 - Zoology Paper-I : Animal Diversity (Chordates) and Comparative Anatomy**

P. Pages : 1

Time : Three Hours



**GUG/S/23/11620**

Max. Marks : 50

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- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks
  3. Draw well labelled diagram wherever necessary.

1. Give an account on the Ascidian Tadpole and retrogressive metamorphosis in it. 10

**OR**

a) Osmoregulation in Teleost's 5

b) General characters of Myxine. 5

2. Explain Neoteny in Amphibia. 10

**OR**

a) Poison Apparatus in Snakes. 5

b) Diapsid and Parapsid Skulls. 5

3. Write an essay on Anatomical and physiological flight adaptations in Birds. 10

**OR**

a) Opossum (Didelphis) 5

b) Eutheria 5

4. Write an account on Urinogenital system in vertebrates. 10

**OR**

a) Horns as integument derivative. 5

b) Olfactory organs in vertebrates. 5

5. Write four to five lines on the following **any ten**. 10

- i) Petromyzon
- iii) Velum
- v) Neurotoxic venom
- vii) Migration
- ix) Neornithes
- xi) Lemur

- ii) Air sac
- iv) Poisonous Snake
- vi) Synapsid
- viii) Echidna
- x) Antlers
- xii) Cutaneous Receptor.

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