

B.Sc. - II (CBCS Pattern) Semester-III  
**USCZOT05 - Core Paper-V (DSE) : Zoology Paper-I : Animal Diversity  
(Chordates) and Comparative Anatomy**

P. Pages : 1

Time : Three Hours



**GUG/W/24/11620**

Max. Marks : 50

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

**1. Give an Account on Accessory Respiratory Organs in fishes. 10**

**OR**

- a) Retrogressive metamorphosis in Ascidian Tadpole. 5
- b) Digestive system of Amphioxus. 5

**2. Write an Essay on Parental care in Amphibia. 10**

**OR**

- a) Poisonous and Non Poisonous Snake. 5
- b) Biting mechanism of snakes. 5

**3. Write an account on morphological and physiological flight Adaptation in Birds. 10**

**OR**

- a) Metatheria. 5
- b) Etheria. 5

**4. Write in detail on Aortic Arches in vertebrates. 10**

**OR**

- a) Scales as a Integument Derivatives. 5
- b) Types of Receptors. 5

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

- |                     |                           |
|---------------------|---------------------------|
| i) Myxine           | ii) Endostyle             |
| iii) Osmoregulation | iv) Neoteny               |
| v) Anapsid skull    | vi) Neurotoxic venom      |
| vii) Bird migration | viii) Neornithes          |
| ix) Prototheria     | x) Metanephros            |
| xi) True Horn       | xii) Four chambered Heart |

\*\*\*\*\*