

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

P. Pages : 1

Time : Three Hours



GUG/W/23/11620 (S)

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 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 Snakes. 5
 - b) Biting Mechanism of Snakes. 5
3. Write an essay on Morphological and Physiological flight adaptation in Birds. 10

OR

 - a) Metatheria 5
 - b) Eutheria 5
4. Give an account 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 the **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) True Horn
 - xi) Metanephros
 - xii) Four Chambered Heart
