

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

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