

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11620

Max. Marks : 50

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

1. Write an essay on Ascidian Tadpole and retrogressive metamorphosis in it. 10

OR

Write notes on.

- a) Accessory Respiratory organs in Clarius. 5
- b) External morphology of Myxine. 5

2. Write an essay on parental care in amphibia. 10

OR

Write note on.

- a) Anapsid and synapsid skull. 5
- b) Snake Venom. 5

3. Write an essay on morphological and anatomical adaptations in Birds. 10

OR

Write notes on.

- a) Migration in birds. 5
- b) Prototheria. 5

4. Write a note on comparative account of heart in vertebrates. 10

OR

Write notes on.

- a) What is integuments and it's function. 5
- b) Urinogenital system in Vertebrates. 5

5. Write four or five lines on each of the following **any ten**. 10

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|--------------------|--------------------|
| i) Notochord | ii) Wheel organ |
| iii) Euryhaline | iv) Neoteny |
| v) Diapsida | vi) Solenoglyphous |
| vii) Remiges | viii) Metatheria |
| ix) Marsupials | x) Antlers |
| xi) Chemoreceptors | xii) Duplex uterus |
