

M.Sc.(Zoology) CBCS Pattern Semester-II
PSCZOOT05 - Paper-V : Structure and Function of Vertebrates

P. Pages : 1

Time : Three Hours



GUG/W/23/11224

Max. Marks : 80

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

1. Explain the General organization and affinities of Cephalochordata. **16**

OR

Write short notes on.

- Origin of Chordata.
- General characters of Dipnoi.

2. Describe the mechanism of respiration in Pisces. **16**

OR

Write short note on.

- Vertebrate integument.
- Classification in Chelonia.

3. Explain the general characters and adaptations of Cetacea. **16**

OR

Write short notes on.

- Evolution of urinogenital organs.
- Origin of Birds.

4. Explain the Sense organs in vertebrates. **16**

OR

Write short notes on.

- Function of autonomous nervous system in vertebrates.
- Evolution of Man.

5. Attempt the following. **16**

- Structure of Amoecoetus.
- Limbs and girdles in Amphibia.
- Anatomy of the brain in frog.
- Evolution of heart in vertebrates.
