

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

P. Pages : 1

Time : Three Hours



GUG/S/23/11224

Max. Marks : 80

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

1. Give an account of origin and ancestry of Chordata. **16**

OR

Write notes on -

- a) Affinities of Cephalochordata.
- b) Structure of Amoecoetus.

2. Give an account of vertebrate integument and its derivatives. **16**

OR

Write notes on -

- a) Organ and mechanism of respiration in Amphibia.
- b) Girdles in mammals.

3. Describe the evolution of urinogenital organ in vertebrates. **16**

OR

Write notes on -

- a) Origin of birds.
- b) Adaptations in Cetacia.

4. Describe in detail the evolution of heart in vertebrates. **16**

OR

Write notes on :

- a) Autonomous nervous system.
- b) Evolution of man

5. Attempt the following - **16**

- a) General characters of Dipnoi.
- b) Classification in Chelonia
- c) Brain of teleost
- d) Olfactory organs in vertebrates.
