

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11224

Max. Marks : 80

-
- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers with well labelled diagram wherever necessary.

1. Give a general account on organization and affinities of cephalochordate. **16**

OR

Write notes on:

- a) Origin of Chordata
- b) Affinities of Dipnoi

2. Give a general account on Appendicular skeleton in Amphibia. **16**

OR

Write notes on:

- a) Respiration in Pisces.
- b) General body organization in Chelonia.

3. Describe in details on Origin of Birds. **16**

OR

Write notes on :

- a) Cetacea.
- b) Evolution of urinogenital organs in vertebrates.

4. Give an account on Autonomous nervous system in vertebrates. **16**

OR

Write notes on :

- a) Evolution of heart in vertebrates.
- b) Sense organs in vertebrates.

5. Attempt the following. **16**

- a) Metamorphosis of Ammocoete
- b) Vertebrate integument
- c) Structure of Brain in Teleost.
- d) Homo Sapiens.
