

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

P. Pages : 1

Time : Three Hours



**GUG/S/25/11224**

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 whenever necessary.

1. Discuss General organization and affinities of Cephalochordate. 16

**OR**

Write notes on-

- a) Amoecoetus
- b) Affinities of Dipnoi

2. Discuss in details on Appendicular skeleton. 16

**OR**

Write notes on-

- a) Mechanism of respiration in Pisces.
- b) General body organization in Chelonia.

3. Describe in detail on Evolution of urinogenital organs in Vertebrates. 16

**OR**

Write notes on-

- a) General characters of Cetacea
- b) Origin of Birds

4. Give an account of Evolution of Heart in Vertebrates. 16

**OR**

Write notes on-

- a) ANS structure
- b) Evolution of man

5. Attempt the following- 16

- a) Origin of Chordata
- b) Vertebrates derivatives
- c) Brain in Rat
- d) Skin of Mammals

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