

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

P. Pages : 1

Time : Three Hours



**GUG/W/24/11224**

Max. Marks : 80

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

**1. Give an Account of organization and affinities of cephalochordata. 16**

**OR**

Write notes on-

- a) Affinities of Dipnoi. 8
- b) Metamorphosis of Amoecoetus. 8

**2. Give an detail account of organ and mechanism of respiration in Pisces. 16**

**OR**

Write notes on:-

- a) Appendicular Skeleton in Aves. 8
- b) Body organization in Chelonia. 8

**3. Give an detail account on origin of Bird's 16**

**OR**

Write notes on :

- a) Urinogenital organ in vertebrate's. 8
- b) Anatomy of Brain in vertebrate's. 8

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

**OR**

Write notes on :

- a) Heart in vertebrates. 8
- b) Evolution of man. 8

**5. Attempt the following 16**

- a) General character of Chordata.
- b) Integument's in vertebrates.
- c) General character of Cetacea.
- d) Photoreceptor organ in vertebrates.

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