

M.Sc. (Zoology) (NEP Pattern) Semester-II
02MSCZO01 - Paper-I : Structure and Function of Vertebrates

P. Pages : 1

Time : Three Hours



GUG/W/24/15424

Max. Marks : 80

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

1. Give an account on general Organization and affinities of Cephalochordata. 16

OR

Write notes on-

- a) Structure and Metamorphosis of Ammocoetus. 8
- b) General characters of dipnoi. 8

2. Give an account on Derivatives of Integument in Vertebrates. 16

OR

Write notes on-

- a) General body organization in Chelonia. 8
- b) Appendicular Skeleton in Mammals. 8

3. Write an account on Origin of Birds. 16

OR

Write notes on-

- a) Adaptations in Cetacia. 8
- b) Brain in teleost and frog. 8

4. Give an account on evolution of Heart in Vertebrates. 16

OR

Write notes on-

- a) Autonomous nervous system in Vertebrates. 8
- b) Evolution of Man. 8

5. Attempt the following. 16

- a) Origin of Chordata.
- b) Respiration in Amphibia.
- c) Metanephric Kidney
- d) Lateral line
