

EASTERN UNIVERSITY, SRI LANKA  
FIRST YEAR SECOND SEMESTER EXAMINATION IN SCIENCE (2021/2022)  
(SEP/OCT2024)  
ZL 1052 VERTEBRATE DIVERSITY

Time: 02 hours.

Answer all Questions

(Illustrate your answer with clear labelled diagram where necessary)

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1. Write an essay on Subphylum Urochordata and its importance. (100 Marks)
  
2. Describe on **any two** of the following:
  - (a). Classification of Chordates; (50 marks)
  - (b). Aquatic adaptations of Class Pisces; (50 marks)
  - (c). Characteristics of Class reptiles and its necessity. (50 marks)
  
3. Mammals are showing variety of locomotion due to their well-developed skeletal system.
  - (a). State the characteristics of mammals. (20 Marks)
  - (b). List the functions of mammalian skeleton system. (10 Marks)
  - (c). State the divisions and bones of human skeleton system. (60 Marks)
  - (d). Comment the bipedal locomotory adaptations in hind limbs of human. (10 Marks)
  
4. Explain on **any two** of the following:
  - (a). Anatomy of birds' feather; (50 marks)
  - (b). Epipelagic and Mesopelagic adaptations of fishes and its essentiality; (50 marks)
  - (c). Key features of Class Amphibia. (50 marks)

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