

**UNIVERSITY OF RUHUNA**  
**BACHELOR OF SCIENCE GENERAL DEGREE LEVEL II (SEMESTER I)**  
**EXAMINATION - JANUARY 2022**

**Subject : Zoology**

**Time: 01½ hours**

**Course Unit : ZOO 2102 - Mammalian Organization and Diversity**

Answer **any three** questions only.  
*Illegible handwriting would be penalized.*

---

1. (i). Discuss the trends in mammalian evolution.  
(ii). Briefly mention the factors which contributed to the success of mammals.
2. Write the unique features of any **two** of following mammalian groups and comment on how these features enhanced their **mode of life**.
  - (i). Cetaceans
  - (ii). Monotremes
  - (iii). Artiodactyles
3. Provide concise accounts on **any two** of the following.
  - (i). Reproductive diversity in mammals
  - (ii). Economic importance of rodents
  - (iii). Predatory adaptations in terrestrial carnivores
4. Give brief descriptions of the following.
  - (i). Glacial and interglacial periods of the earth.
  - (ii). Relict species

 Marks for continuous assessments

**(20 marks)**

@@@@@@@@@@@@@@@@@@