

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE GENERAL DEGREE LEVEL II (SEMESTER I)
EXAMINATION – JULY/AUGUST 2023

Subject : Zoology

Time: 01½ hours

Course Unit : ZOO 2102 – Mammalian Organization and Diversity

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

1. State the **unique features** present in **internal organ systems** of **mammals** and briefly describe how these features **enhance the efficiency of each of the systems** mentioned.
2. Comment on **special modifications** present in **any two** of the following **mammalian orders** for their modes of life.
 - (i). Chiroptera
 - (ii). Proboscidea
 - (iii). Primata
3. Write short notes on **any two** of the following.
 - (i). Skin glands of mammals.
 - (ii). Diving adaptations of aquatic mammals.
 - (iii). Feeding specializations in **ant/termite feeding mammals**.
4. **Answer the both parts.**
 - (i). Briefly describe the **marsupial distribution and diversity** with respect to the **continental drift**.
 - (ii). Explain in brief how **Great American Interchange** influences on **mammalian distribution**.

 Marks for continuous assessments

(Max. 30 marks)

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