

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

Subject: Zoology

Time: 01½ hours

Course Unit: ZOO 2112 – Comparative Animal Physiology

Answer **any three** questions only.

Illegible handwriting would be penalized.

1. Name the **hormones** involved in **human pregnancy** and **child birth**. Describe the role played by each of them.
2. Write **concise accounts** on the following.
 - (i). Arrangement of contractile proteins within a human skeletal muscle fiber.
 - (ii). Saltatory transmission of nerve impulses.
3. Briefly describe the **respiratory cycle of birds**. Mention how bird respiration differ from mammalian respiration.
4. Write short notes on **any two** of following.
 - (i). **Functions** of Hydrochloric acid present in human stomach.
 - (ii). **Causes** of **obesity** and **different clinical measurements** used to identify **obese people**.
 - (iii). **Disorders** of human urinary system and appropriate treatments.

 Marks for continuous assessments

(Max. 30 marks)

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