UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE GENERAL DEGREE LEVEL II (SEMESTER I)

EXAMINATION 2020 – DECEMBER/JANUARY 2022

Subject: Zoology **Time: 01½ hours**

Course Unit: ***ZOO 2112 – Comparative Animal Physiology***

Answer **any three** questions only.

Illegible handwriting would be penalized.

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1. State the **significance of secondary messengers** in human endocrine system and describe their **mechanisms** in the functioning of hormones.

2. "**Cardiac muscles** are functionally **different** from the **other striated muscles**." Justify this statement.

3. Write a concise account on '**Structural organization of human lymphatic** system'.

4. Write brief notes on **any two** of followings.
   (i). Phases of secretion and function of Gastric juice
   (ii). Causes of Obesity and different clinical measurements used to identify obese individuals
   (iii). Selective reabsorption phase in urine formation

Marks for continuous assessments ***(20 marks)***

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