



UNIVERSITY OF RUHUNA

FACULTY OF FISHERIES AND MARINE SCIENCES &
TECHNOLOGY

Academic Year 2023/2024

Bachelor of Science Honours in Fisheries and Marine Sciences Degree/ Bachelor of
Science Honours in Marine and Freshwater Sciences Degree

Level II Semester I Examinations – October / November 2024

OCG 2142: Marine Biology-Vertebrate Fauna

Section II

Answer only **Three (03)** questions.

1 hour and 30 minutes / 75 marks

- 01.) "Sea birds are an impressively diverse and resilient group of birds, having perfectly matched adaptations for a successful oceanic lifestyle." Justify this statement providing suitable examples. (25 marks)
- 02.) "Marine mammals are secondary marine forms well adapted to the aquatic environment." Discuss.(25 marks)
- 03.) Write short notes on **any three (03)** of the following. (25 marks)
 - a.) Protostomes vs deuterostomes
 - b.) Hagfish vs lampreys
 - c.) Predatory adaptations of sharks
 - d.) Climate change impacts on Sea Birds
 - e.) Anthropogenic impacts on marine reptiles
- 04.) Write short notes on **any two (02)** of the following. (25 marks)
 - a.) Diversity of fish swimming modes
 - b.) Deep-sea fishes vs Pelagic fishes
 - c.) Ecological role of marine reptiles
- 05.) "Evolutionary changes in the anatomy of modern bony fishes have led them to flourish in many shallow benthic marine habitats." Justify this statement by providing suitable examples. (25 marks)

@@@@@@@@@@