



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 III Semester I Examinations – October/November 2024

OCG31C2: Marine and Coastal Ecosystems

Section II

Answer only three (03) questions.

Time: 1 ½ hours /75 marks

1. Write short notes on any **three (03)** of the following. (25 marks)
 - a.) Ecological role of invertebrates in mangrove ecosystem
 - b.) Zonation of an estuary
 - c.) Coral reefs vs Kelp forests
 - d.) Factors impact on Bioerosion
 - e.) Anthropogenic impacts on sandy shore
2. Explain any **two (02)** of the following. (25 marks)
 - a.) Crown of Thorns starfish outbreaks
 - b.) Coral-algal phase shifts
 - c.) Reflective sandy beaches vs dissipative sandy beaches.
3. “Many reef-associated species contribute to the stability of a pristine coral reef”. Explain this statement by providing examples. (25 marks)
4. Describe the diversity patterns of the sandy shore ecosystem. (25 marks)

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