



UNIVERSITY OF RUHUNA
FACULTY OF FISHERIES AND MARINE SCIENCES &
TECHNOLOGY

Academic Year 2022/2023

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

Level IV Semester I Examinations – April/May 2024

OCG4141: Climate Change and Oceans

Time: 1 hour

Answer only **Two (02)** questions.

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01. "Elevated atmospheric greenhouse gas concentrations have led to drastic changes in biodiversity and species interactions in many shallow marine habitats worldwide" Discuss this statement with examples. (50 marks)
02. Briefly explain **any two (02)** of the following. (50 marks)
- i. Ecosystem-based adaptations (EBA)
 - ii. Intergovernmental Panel on Climate Change (IPCC)
 - ii. Impact of Climate change on the ocean economy
- 03.
- i. Explain the main strategies that can be used to reduce climate change risks in Sri Lanka. (35 marks)
 - ii. Describe the benefits and constraints of adopting these methods in Sri Lanka. (15 marks)

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