



UNIVERSITY OF RUHUNA
FACULTY OF FISHERIES AND MARINE SCIENCES &
TECHNOLOGY

Academic Year 2023/2024

Bachelor of Science Honours in Marine and Freshwater Sciences Degree

Level IV Semester I Examinations – April / May 2025

OCG 4191: Coastal Hazards and Mitigation

Time: 1 hour

Answer Only Two (02) questions

1. Discuss in detail the use of remote sensing methods in coastal hazard monitoring. **(50 Marks)**

2. Explain the impact of tsunami and storm waves on different types of coasts. **(50 Marks)**

3.
 - a. “Natural and anthropogenic factors cause different hazardous conditions on coastal dunes.” Discuss the statement in detail. **(25 Marks)**
 - b. Explain the management actions taken to mitigate the above hazards **(25 Marks)**

4. Explain the impacts of climate change on the dynamics of saltwater intrusion and adaptation options for managing the threat of saltwater intrusion. **(50 Marks)**

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