



**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 I Semester I Examinations – October/November/December 2024

OCG 1111: Introduction to Oceanography

Time: 1 hour

Answer any Two (02) of the following questions

Use labelled diagrams wherever necessary.

1.
  - a. Explain the wind wave origin, development and approaching the shore. (30 Marks)
  - b. Briefly discuss the effect of the sun and the moon on tides. (20 Marks)
  
2.
  - a. Explain the advancement of navigation techniques throughout the history from ancient civilization to modern ages giving suitable examples. (30 Marks)
  - b. "Ocean surface conditions depend on the latitude, temperature and salinity." Discuss. (20 Marks)
  
3. Describe in detail the zonation of rocky shore considering tidal variation and organism distribution. (50 Marks)
  
4. Write short notes on any **three (03)** of the followings. (50 Marks)
  - a. Wave interference
  - b. Thermocline, Halocline and Pycnocline
  - c. Epipelagic and mesopelagic zones
  - d. Benefits of studying ocean
  - e. Tide pools

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