



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 II Examination – April/May 2025

OCG 32B1: Satellite Oceanography

Time: 1 hour

Answer only two (02) questions

- 1) Sea surface temperature (SST) is monitored using various remote sensing techniques by considering their fundamental physical principles. Describe the main techniques used to measure SST, highlighting their underlying principles.
(50 marks)
- 2) “Salinity plays an important role in oceanography, but measuring sea surface salinity (SSS) from space is a challenging task”. Justify this statement by giving suitable examples.
(50 marks)
- 3) Discuss the importance of using active radar and passive microwave radiometry for effective monitoring of rainfall.
(50 marks)

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