



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 Examinations – April / May 2025

OCG 3241: Introduction to Meteorology

Time: 1 hour

Answer all questions in Section I and One (01) question from Section II

Section II

Answer only one (01) question

50 Marks / 30 minutes

1. Explain the **four (04)** processes that lift air in the atmosphere. (50 Marks)

2.
 - a. Compare the **two (02)** processes which form precipitation. (30 Marks)
 - b. Briefly explain the **three (03)** forces that combine to direct horizontal wind. (20 Marks)

3. Write short notes on followings using suitable diagrams,
 - a. Dry adiabatic rate of cooling and heating (15 Marks)
 - b. Lifting condensation level and the wet adiabatic rate (15 Marks)
 - c. Conditional instability of atmosphere (20 Marks)

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