



UNIVERSITY OF RUHUNA

FACULTY OF FISHERIES AND MARINE SCIENCES & TECHNOLOGY

Academic Year 2022/2023

Bachelor of Science Honours in Marine and Freshwater Sciences Degree

Level II Semester II Examination - April /May 2024

OCG 2222 - Geomorphology and Morphometric Analysis

Time: 2 hours

Answer all Questions in **Part A** and only three (03) Questions from **Part B**

Part B

1. Describe how geomorphological processes contribute to the formation of the following landforms.
 - a. Pyramidal peaks
 - b. Sand dunes
 - c. Crater lakes
 - d. Wave-cut platform
2. Discuss in detail the applications of geological maps and cross-sections in geomorphological studies and interpretations.
3. Compare and contrast the formation of river valleys and glacial valleys. Discuss the distinctive features of each valley type and the processes that shape them.
4. Write short notes on any four (04) of the following.
 - a. Denudation
 - b. Stream order
 - c. Alpine glaciers
 - d. Physical weathering
 - e. Earth's Geotherm
 - f. Catastrophic Events

(20 Marks * 3 = 60 Marks)

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