



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 I Semester I Examinations – October -December 2024

OCG 1132 – Earth Materials

Time : 1 ½ hours

Answer all questions in Part A and Two (02) questions from part B

Part B

1.

- i. Describe different types of sedimentary rocks based on their sedimentation environment. [15 marks]
- ii. Mention a mineral which commonly occurs in marine sediments. [05 marks]
- iii. What is the primary mineral found in abundance in the beach sand of Sri Lanka? [05 marks]
- iv. What are the economic benefits and significance of sedimentary rocks? [05 marks]

2. Write a detailed description on metamorphism and metamorphic rocks find in Sri Lanka. [30 marks]

3. Write short notes on **any five (05)** of the following.

- i. Rock cycle
- ii. Intrusive Vs extrusive igneous rocks
- iii. Classification of igneous rocks
- iv. Twinning and zoning of a mineral
- v. Classification of siliciclastic sedimentary rocks
- vi. Metamorphism

[06 marks x 05 = 30 marks]

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