



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 III Semester I Examination - April /May 2024

OCG 31D2– Paleontology and Micropaleontology

Time: 1 ½ hours

Part B

Answer only three (03) Questions

1. Compare and contrast the abundance and diversity of fossils in marine versus terrestrial environments, considering their preservation conditions. (20 marks)
2.
 - a. Write a brief description on Aruwakkalu macrofossils in Sri Lanka. (10 marks)
 - b. What are two different methods used to determine the depositional age of a fossiliferous limestone bed? (10 marks)
3. Write a brief note on any two (02) of the following topics. (20 marks)
 - a. Geological Time Scale
 - b. Significance of foraminifera in paleoceanography
 - c. The process of fossilization
4. What are the three types of unconformities? How do they reveal geological history? (20 marks)
5. Discuss in detail with examples whether an entire organism be fossilized? (20 marks)

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