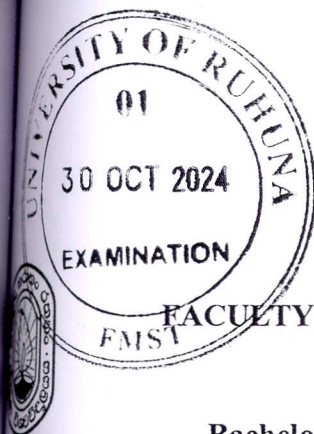




Part B only

Index Number:

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 II Semester I Examinations – October-November 2024

LIM 2132: Microbial quality in water

Time: 1 hour and 30 minutes

Part A

Answer All Questions.

Part B

Answer any two (02) questions.

1. (i) Draw a fully labeled diagram to represent the structure of a typical bacterial cell (20 Marks)
(ii) Explain Gram positivity and negativity only using the structure of the bacterial cell (30 marks)
(ii) Discuss the factors affecting the bacterial growth and survival (50 marks)
2. Write brief accounts on the following waterborne diseases.
(i) Cholera
(ii) Shigellosis
(iii) Legionellosis
(iv) Hepatitis
(25 marks x 4 = 100 Marks)
3. A Giardiasis outbreak has been identified in Hambantota district. Assuming that you are serving as a waterborne disease risk manager in the Hambantota district, propose a plan to control and mitigate the disease.
(100 Marks)

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