



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

OCG 2122: Marine Biology - Flora

Section II

Answer only **Three (03)** questions

One hour and 30 minutes / 75 marks

- 01.) “Despite environmental challenges, mangroves thrive in land-sea interphase.” Justify this statement by providing suitable examples. (25 marks)
- 02.) I. Describe the general morphology of seaweeds. (7.5 marks)
II. Explain the importance of these morphological features for enhancing survival of seaweeds in their habitats. (12.5 marks)
III. Describe the morphology of five (05) species of Sri Lankan seaweeds. (05 marks)
- 03.) Write short notes on **any three (03)** of the following. (25 marks)
- a.) Zonation of sand dune vegetation
 - b.) *Caulerpa* spp.
 - c.) Viviparity of mangroves
 - d.) Economic importance of kelp
 - e.) Ecological role of seagrass
- 04.) Explain **any two (02)** of the following. (25 marks)
- a.) Defensive mechanisms of seaweeds
 - b.) Economic importance of mangroves
 - c.) Seagrass vs Seaweeds

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