



UNIVERSITY OF RUHUNA

FACULTY OF FISHERIES AND MARINE SCIENCES & TECHNOLOGY

Academic Year 2022/2023

Bachelor of Science Honours in Fisheries and Marine Sciences Degree/ Bachelor of
Science Honours in Marine and Freshwater Sciences Degree

Level III Semester I Examinations - April/May 2024

FSH 3131: Fisheries Oceanography

Time: 1 hour and 15 minutes

(50 marks)

Answer any two questions only.

1. Using the knowledge on Fisheries Oceanography, briefly explain how climate change/global warming would affect the biology and distribution of tuna species and global tuna fisheries industry.

(50 marks)

2. "Behaviour of light in the marine environment plays an important role in body colouration, biology and behaviour of marine fish." Justify this statement giving suitable examples.

(50 marks)

3. Either

- (i) Describe the effects of different types of waves on the behaviour of fish living in the inter tidal zone of the marine environment.

(50 marks)

or

- (ii) Write short notes on any two of the following

- (a) Effect of density stratification on biology on fish.
- (b) SOFAR layer in the ocean plays an important role on fish and fisheries.
- (c) Impact of *El Nino* on fisheries industry.

(25 x 2 marks)

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