

UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE

Level II Semester I Examination – July/August 2017

OCG 2122 – Biological Oceanography

Time: 2 hours

Answer only Four (04) questions

1. Describe the seasonal trends in phytoplankton production in temperate waters.
2. Write an account on a whale fall community describing its stages of succession.
3. Discuss the effect of light on the primary production in oceans.
4. (a) Describe what is meant by “Biototoxicity”.
(b) Write short accounts on the following,
 - i. Harmful Algal Blooms (HABs)
 - ii. Neurotoxic Shellfish Poisoning (NSP)
 - iii. Paralytic Shellfish Poisoning (PSP)
5. (a) What are the physical stressors on the biotic community on a rocky shore environment?
(b) Explain how the biotic community avoid such physical stressors for their survival on a rocky shore.
6. Write short notes on any two (2) of the following,
 - a. Upwelling
 - b. Techniques used to measure primary production
 - c. Oceanic gyres

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