

UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE

Level III Semester I Examination – July/August 2017

OCG 3113 – Ecology of Sensitive Marine and Coastal Ecosystems, Their Pollution & Environmental Conflicts

Time: 2 hours

Answer only Four (04) questions

1. Describe the following,
 - a. the fate of spilled oil
 - b. effects of oil on coral ecosystems

2. “Marine invasive species are steadily established in some parts of the world mainly due to ship ballast waters” Justify this statement giving suitable examples.

3.
 - a. Briefly describe the processes that give rise to coastal sand dunes.
 - b. With examples describe the role of sand dune vegetation in maintaining the dune geomorphology and the protection of the coast.

4. Discuss the mitigatory measures that can be adopted to minimize the degradation of mangrove ecosystems.

5. With suitable examples describe how the salt marsh vegetation can protect the coast.

6. Write short notes on any three (3) of the following,
 - a. Oil dispersants
 - b. Sediment reworking organisms in mud flats
 - c. Ballast water treatment
 - d. River dominated deltas and Tide dominated deltas
 - e. An oil spill rescue operation in a sandy beach

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