

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE
Level III Semester I - July/August 2015

OCG 3113 – Ecology of sensitive coastal and marine ecosystems, their pollution and environmental conflicts

Time: 02 hours

Answer only **Four (04)** questions.

01. “Estuaries can be classified according to their circulation patterns.” Discuss

02. (i) Name the types of lagoons and give one example for each of them from the lagoons exist in Sri Lanka.
(ii) Mention the important characters of types of lagoons mentioned in (i).
(iii) Write a short account on the importance of mangroves considering the ecosystem services provided by them.

03. (i) Describe the structure of a typical coastal sand dune.
(ii) What are the factors that may influence the formation of coastal sand dunes.
(iii) Write a short account on the adaptations of sand dune vegetation.

04. (i) Name the important global summits held during the last two decades on climate change.
(ii) Briefly mention the most important decisions taken by them in order to mitigate global warming and its impacts.
(iii) Write a short account on the possible impacts of climate change on the coastal belt of Sri Lanka.

05. Ballast water helps spreading ecologically threatened species worldwide. Justify this statement providing suitable examples.

06. Describe advantages and disadvantages of oil spill combat methodologies when used in a near shore oil spill event.