

UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE

Level I Semester II Examination - December 2016/January 2017

OCG 1222 – Basic Marine Biology (Fauna)

Time: 02 hours

Answer **only Four (04)** questions

1. Describe the taxon Dinoflagellates:
 - a) The general body structure
 - b) Reproduction modes
2. Though brittle stars and sea stars belong to the same phylum, they are different in their body structure and behavior. Discuss this statement based on suitable examples.
3. Explain how Ctenophores are anatomically well adapted to an oceanic environment.
4. Write short notes on **any three (3)** of the followings:
 1. Class Cephalopoda
 2. Parapodia of polychaetes
 3. Cuvierian tubules of sea cucumbers
 4. Body wall of sponges
 5. Water vascular system of crinoids
5. Describe the reproduction cycle as known for the Order – Scleractinia.
6. a) Write a brief description on Order – Cetacea.
b) Describe adaptations seen in sea turtles for a successful land-ocean life style.

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