

**UNIVERSITY OF RUHUNA**  
**BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE**  
**Level I Semester II - Dec/Jan 2015/2016**

**OCG1222-Basic Marine Biology (Fauna)**

**Answer only Four (04) questions**

**Time: 2 hours**

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01. a) Briefly describe the adaptations for maintenance of buoyancy in planktonic radiolarians.  
b) Write a short account on tunicates
02. Describe the following  
a) The mutualistic relationship seen in coral polyps  
b) Types of coral reefs
03. Either  
(A) Body wall of annelids is highly adapted to their modes of life". Discuss this statement.
- Or  
(B) Write Short notes on any **three (03)** of the following  
a) Cell types involved in feeding and digestion in Porifera  
b) Protonephridium  
c) Bivalve shell  
d) Pedicellaria  
e) Sense organs of comb jellies
04. Briefly describe the following  
a) Structural plan of the crustacean cuticle  
b) Ecdysis is a solution for the problems faced by crustaceans during their growth.
05. Describe the biological and behavioural characters which qualify marine turtles to be considered as an endangered group of organisms.
06. "Members of the order Cetacea are more adapted to an aquatic life when compared to mammals of the Suborder Pinnipedia." Justify this statement.

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