

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE
Level I Semester I Examination

July/August 2016

FAQ 1132 – Evolution and Basic Biology of Shell fish

Time 1½ hours

Answer only **Three (03)** out of the following

1. (a) Briefly describe the morphological features of shrimps, giving suitable diagrams where necessary. **(35 marks)**
- (b) Define the most important morphometric characters of shrimps. **(15 marks)**

2. (a) List the general characteristics of a decapod and briefly describe these characteristics. **(25 marks)**
- (b) Describe the circulatory and digestive systems of crabs. **(25 marks)**

3. (a) Using a suitable diagram/diagrams label the external features of crabs. **(20 marks)**
- (b) Giving suitable descriptions about the above features, mention their importance for mode of life of a crab. **(30 marks)**

4. (a) Write a brief account on the male and female reproductive systems of shrimps. **(30 marks)**
- (b) Briefly describe the different stages of life cycle of shrimp. **(20 marks)**

5. Write short accounts of the following
 - (a) Respiratory system and excretory system of lobsters.
 - (b) Commercially important crab species in Sri Lanka.
 - (d) Molting of crabs.