



Uva Wellassa University of Sri Lanka
Faculty of Animal Science & Export Agriculture



BSc in Aquatic Resources Technology Degree Programme

Year I Semester I
End Semester Examination –February/March 2011

AQT 213-3 Biology, Anatomy and Physiology of Aquatic Animals
Essay Questions (Section II)

Instructions

Answer **all** questions in Section II in given answer scripts.

No. of questions : Three (03)
No. of pages : One (01)
Time : One and half hours (1½ hrs)
Total marks allocated : 60%

- 01) (I) Define the term **Ecdysis/ Molting**? (03marks)
- (II) Which animals have acquired that ability **other than Crustaceans**? (02marks)
- (III) What is the significance of ecdysis for those animals? (03marks)
- (IV) Briefly explain the physiology of **Ecdysis / Molting** found in Crustaceans.
(12 marks)
- 02) The mechanism by which organisms obtain food is referred to as the modes of nutrition. Briefly explain the **specific structures acquired and different modes of nutrition found among invertebrate animals** giving necessary examples.
(20 marks)
- 03) (I) **State the meaning** of “Animal Physiology” and describe the significance of physiological process for the survival of an aquatic animal in different external environments. (10 marks)
- (II) **Discuss** the gaseous exchange process with related to the anatomy of fish gill.
(10 marks)

(END OF SECTION - II)