



THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME – LEVEL 5
FINAL EXAMINATION – 2010/2011
COURSE TITLE – AQUATIC BIOLOGY
COURSE CODE – ZOU3161 / ZOE5161
DURATION – TWO AND A HALF HOURS

DATE – 18. 06.2011

TIME - 1. 30 pm –4. 00 pm

ANSWER ANY FOUR (4) QUESTIONS.
WHEREVER NECESSARY ILLUSTRATE ANSWERS WITH CLEARLY LABELED
DIAGRAMS.

1. Discuss how the specific properties of water help the maintenance of life on earth.
2. a. Describe the characteristic features of **lentic** water habitats.
b. Explain a method to estimate the primary productivity of a lentic water body.
3. Explain how animals have adapted to live in different zones of a rocky shore in Sri Lanka.
4. a. Briefly describe the physical and chemical characteristics of estuarine environment.
b. Explain how the crabs that live in estuaries and lagoons are morphologically adapted to their environment.
5. a. Briefly describe the different types of corals and coral reefs.
b. Explain how algae contribute to the formation of coral reefs.
6. Write short notes on two (2) of the following:
 - a. Salt marshes
 - b. Ocean tides
 - c. Deep sea animals
 - d. Freshwater pollution

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