



THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME – LEVEL 5
FINAL EXAMINATION – 2011/2012
COURSE TITLE – AQUATIC BIOLOGY
COURSE CODE – ZLU3180/ZOU3161/ZOE5161
DURATION – TWO HOURS

DATE – 16. 11. 2012

TIME – 9.30 am to 11.30 am

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

1. a. List biologically important chemical constituents of water in lentic water bodies stating their sources of input.
b. Describe the vertical distribution of Oxygen in tropical lakes.
2. a. List the ecosystem services of estuarine and lagoon environments.
b. “Estuaries act as nutrient traps” Justify this statement.
3. Explain the adaptations of the pelagic organisms of the ocean.
4. a. Briefly describe all the micro habitats found in rocky shore environment.
b. Explain how animals have adapted to live successfully in the eulittoral zone.
5. a. Briefly describe the different types of coral reefs found in the world.
b. Explain the contribution of alga for the formation of coral reefs.
6. Write short notes on any two (2) of the following:
 - a. Neuston
 - b. Ocean tides
 - c. Lotic habitats
 - d. Aduptations of Mangroves

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