

B.Sc. DEGREE PROGRAMME – LEVEL 5  
FINAL EXAMINATION – 2013/2014  
COURSE TITLE – AQUATIC BIOLOGY  
COURSE CODE – ZLU3180 /ZOU3161/ ZOE5161  
DURATION – TWO HOURS



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DATE – 16.11.2014

TIME - 9.30 am – 11.30 am

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ANSWER ANY FOUR (4) QUESTIONS.  
WHERE EVER NECESSARY ILLUSTRATE ANSWERS WITH CLEARLY LABELLED  
DIAGRAMS.

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1. a. Describe the specific properties of water and explain how these properties affect living organisms.  
b. Discuss the vertical distribution of oxygen in a tropical lake.
2. Describe the physical and chemical factors of lagoon and estuarine environments.
3. Explain the morphological, physiological and behavioral adaptations shown by estuarine organisms to overcome the problems encountered in the brackish water environment.
4. a. Briefly describe the different **life styles** of pelagic organisms.  
b. Explain the different adaptations shown by pelagic organisms to survive in their environment.
5. Compare lowland and upland reservoirs of Sri Lanka with respect to their abiotic and biotic factors.
6. Write short notes on any two (2) of the following:
  - a. Mangroves
  - b. Deep ocean basin
  - c. Symbiotic associations of corals
  - d. Eutrophication