

BSc. DEGREE PROGRAMME – LEVEL 5
FINAL EXAMINATION – 2018/2019
COURSE TITLE – AQUATIC BIOLOGY
COURSE CODE – ZYU5300/ZLE3180/ZLU3180
DURATION – TWO HOURS



DATE – 31.12.2019

TIME 1.30 pm - 3.30 pm

ANSWER ANY FOUR (4) QUESTIONS.

WHEREVER NECESSARY ILLUSTRATE ANSWERS WITH CLEARLY LABELLED DIAGRAMS.

1. a. Briefly describe how temperature varies diurnally and with the depth in a tropical lake.
b. Briefly explain how temperature affects the organisms in freshwater habitats.
2. a. What are the difficulties faced by animals when they migrated from land to aquatic habitats during evolution?
b. Giving suitable examples explain how aquatic insects obtain oxygen.
3. a. What are the dominant characteristic features of the estuarine and lagoon environments?
b. Explain how osmoregulators overcome sudden changes of salinity in brackish water habitats.
4. a. Name different types of water movements found in the ocean other than tides and state how these differ from each other.
b. Briefly explain how tides are formed and why tide levels vary daily and monthly.
5. a. Name three major life styles of pelagic organisms in the marine environment and state these differ from each other.
b. Briefly explain how organisms are adapted to live in the pelagic zone of the ocean.
6. Write short notes on any two (2) of the following:
 - a. Mangrove ecosystems
 - b. Sub habitats of the rocky shore
 - c. Importance of lentic habitats in Sri Lanka
 - d. Coral formation

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