

B.Sc. DEGREE PROGRAMME – LEVEL 5
FINAL EXAMINATION – 2014/2015
COURSE TITLE – AQUATIC BIOLOGY
COURSE CODE – ZLU3180 /ZOU3161/ ZOE5161
DURATION – TWO HOURS



DATE – 19.10.2015

TIME - 9.30 am – 11.30 am

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

1. Compare physical, chemical and biological factors of a rapidly flowing stream with those of a slow flowing stream.
2. a. Explain the terms “Gross Primary productivity” and “Net primary productivity”.
b. Discuss the factors affecting primary productivity of an ecosystem.
3. Explain the ecosystem functions of estuarine environment and discuss their significance
4. a. Explain the terms ‘ Waves’, ‘Currents’ and ‘Tides’ of the ocean.
b. Describe the different tidal patterns found in the ocean.
5. “The diversity and abundance of organisms found in a rocky shore habitat are higher than those found in the particulate shore habitat” . Justify this statement.
6. Write short notes on any two (2) of the following:
 - a. Deep sea organisms.
 - b. Types of corals
 - c. Osmoregulators
 - d. Trophic status of water bodies