



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER SUPPLEMENTARY/SPECIAL EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE BIOLOGY

COURSE CODE: SZL 413

COURSE TITLE: MARINE BIOLOGY

DATE: 2/10/2018

TIME: 3:00 -5:00 P.M.

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over 

KIBU observes ZERO tolerance to examination cheating

1. a) Explain briefly why marine biology is considered as a science. (5 marks)
- b) Explain briefly why halophytes are physiologically dry yet they are found in wet areas. (3 marks)
- c) Discuss briefly one symbiotic association among marine animals. (5 marks)
- d) Distinguish between vivipary and cryptovivipary. (4 marks)
- e) Explain the impact of waves and tides on marine biota. (5 marks)
- f) Describe three basic structural units of a kelp thallus. (3 marks)
- g) List FIVE key areas of study in marine biology. (5 marks)
2. a) Describe FIVE characteristics of the pelagic division of the ocean. (10 marks)
- b) Explain FIVE reasons why coral reefs have higher primary productivity. (10 marks)
3. a) Write an essay on the ecological roles of mangroves at the Kenyan coast. (10 marks)
- b) Describe briefly FIVE types of marine pollution. (10 marks)
4. a) Discuss FIVE reasons why coral reefs have higher primary productivity. (10 marks)
- b) Describe FIVE unique characteristics of marine waters. (10 marks)
5. a) Discuss FIVE steps that should be taken to conserve marine habitats. (10 marks)
- b) Using specific examples, discuss THREE symbiotic interactions among marine animals. (10 marks)