

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN NATURAL RESOURCE MANAGEMENT

NARE 445: MANAGEMENT OF AQUATIC ECOSYSTEMS

STREAMS: BSC (NARE)

TIME: 2 HOURS

DAY/DATE: FRIDAY 07/12/2018

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- Answer all questions in section A and any TWO in section B
- Do not write on the question paper

SECTION A (30 MARKS)

1. (a) Write brief notes on the following concepts in relation to aquatic environment
(i) Participatory planning [4 marks]
(ii) Invasive species [4 marks]
(iii) Lentic ecosystems [4 marks]
2. Briefly discuss the effects of global warming on aquatic ecosystems [6 marks]
3. Explain the contribution of aquatic ecosystems to biodiversity conservation in Kenya [6 marks]
4. Explain the use of any three policies in safeguarding aquatic ecosystems in Kenya [6 marks]

SECTION B (40 MARKS)

NARE 445

5. (a) Discuss the zonation and distribution of organisms in marine ecosystems [8 marks]
- (b) Discuss the importance of stakeholders' participation in the management of aquatic resources in developing countries [12 marks]
6. Discuss the contribution of aquatic resources to the national development of Kenya [20 marks]
7. "Human population growth and development are threats to existence of global aquatic ecosystems". Using relevant examples, discuss this statement [20 marks]
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