

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF SCIENCE IN ECOTOURISM, BACHELOR OF SCIENCE IN
WILDLIFE AND ENTERPRISE MANAGEMENT**

NARE 446: MANAGEMENT OF AQUATIC ECOSYSTEMS

STREAMS: BSC (NARE)

TIME: 2 HOURS

DAY/DATE: TUESDAY 14/04/2020

2.30 PM – 4.30 PM

INSTRUCTIONS:

- **Answer ALL Questions in Section A and any other Two Questions in Section B**
- **Do not write anything on the question paper**

SECTION A (30 MARKS)

1. Write brief notes on the following in relation to aquatic environment.
 - (a) Economic instruments [4 marks]
 - (b) Invasive species [4 marks]
 - (c) Participatory planning [4 marks]
2. Explain the contribution of aquatic ecosystem to biodiversity conservation in Kenya. [6 marks]
3. Briefly discuss the effects of climate change on global aquatic ecosystems. [6 marks]
4. Explain the three principles that are important in promoting sustainable management of aquatic ecosystems in Kenya. [6 marks]

SECTION B (40 MARKS)

5. Discuss the importance of stakeholder's involvement in the management of aquatic resources in developing countries. [20 marks]

6. “Human population growth and economic development activities are major threats to aquatic ecosystems”. Discuss [20 marks]
 7. Discuss the contribution of aquatic ecosystems to rural and national economic development in Kenya. [20 marks]
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