

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF MASTR OF SCIENCE  
IN NATURAL RESOURCE MANAGEMENT

NARE 836: OCEANOGRAPHY

STREAMS: MSC (NARE) Y1S2

TIME: 3 HOURS

DAY/DATE: MONDAY 06/04/2021

8.30 A.M. – 11.30 A.M.

INSTRUCTIONS:

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

SECTION A (20 MARKS)

- Q1. Assess the significance of Marine ecosystem to Kenya's economy. [5 marks]
- Q2. Explain the roles played by ocean surface circulation systems with respect to the behaviour of climates that prevail over continental areas that border oceans. [5 marks]
- Q3. Explain how oceans influence global precipitation trends. [5 marks]
- Q4. Evaluate the success of international partnerships in the conservation of marine ecosystems. [5 marks]

SECTION B (40 MARKS)

- Q5. Discuss the origin of oceans and the role of tectonism towards the evolution of ocean floor topography. [20 marks]
- Q6. "Oceans as a component of the Earth's energy budget system play a controlling role in determining the global distribution of temperature". Discuss. [20 marks]
- Q7. Discuss ANY FIVE factors that influence the distribution of marine biodiversity. [20 marks]