

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF EDUCATION ARTS**

**GEOG 315: COASTAL GEOMORPHOLOGY**

**STREAMS: BED ARTS**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 12/07/2021**

**8.30 A.M. – 10.30 A.M.**

**INSTRUCTIONS:**

- **Answer question ONE and any TWO other questions.**
- **Use diagrams and sketches to illustrate your answers.**

1. (a) Distinguish between ocean currents and waves. Explain how they form. (10 marks)  
(b) Explain the variety of forms evident in deltas. (20 marks)
  2. Sea level changes have occurred in geological time. Use examples to distinguish between isostatic and eustatic sea level changes. (20 marks)
  3. Discuss the formation of two erosion and two deposition features on the coast of East Africa. (20 marks)
  4. Explain using examples why some waves construct the shoreline while others destroy the shoreline. (20 marks)
  5. What is the significance of rock types, structure and alignment of the coastal rocks to weathering and erosion? (20 marks)
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