



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

MOMBASA CAMPUS

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF SCIENCE (COASTAL AND MARINE RESOURCE MANAGEMENT)

SMR 310: COASTAL AND MARINE RESOURCE MANAGEMENT

DATE: Monday 2nd April 2012

TIME: 8.00a.m – 10.00a.m

INSTRUCTIONS:

SECTION A: Answer ALL EIGHT questions – (40 marks)

1. State the major causes of sea level changes.
2. Differentiate between eustatic (Holocene) sea level change and mean sea level.
3. Explain the process that causes fan shaped patterns during the evolution of a river-mouth system.
4. Discuss briefly the formation of river deltas.
5. State the factors influencing the behavior of beaches during coastal erosion.
6. Explain the following terms:
 - a) Corrasion (abrasion)
 - b) Hydraulic action
 - c) Attrition of wave action
7. State the differences between lagoon and tidal flats.
8. State the management methods for controlling beach erosion.

SECTION B: Answer ONLY ONE question (30 marks each)

9. Discuss the major geographical movements influencing the evolution of ocean floor and basins.
10. Discuss the causes and management of coastal degraded habitats