



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2014/2015

DIGITAL SCHOOL OF VIRTUAL AND OPEN LEARNING

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF ARTS

AGE 820: GEOMORPHOLOGICAL PRINCIPLES

DATE: WEDNESDAY 29TH APRIL 2015

TIME: 9.00 A.M. – 12.00 P.M.

INSTRUCTIONS: Answer Question **ONE** and any other **three** questions. Use illustrations where necessary.

1. (a) Explain the differences between the following Geomorphological processes:-
 - i) Thresholds and Feedback loops in Geomorphological systems. (6 marks)
 - ii) Ancient and Contemporary Geomorphology. (6 marks)(b) Explain the effects of the following geomorphological processes:-
 - i) Tidal oscillations. (3 marks)
 - ii) Surging breaker oceanic waves. (3 marks)(c) By use of examples explain the process-Response geomorphological systems. (4 marks)
2. Discuss the various biogeomorphologic factors of weathering. (16 marks)
3. Explain the relevance of Davisian Theories of landscape development in describing the physiological regions of Kenya. (16 marks)
4. Discuss the contributions of wave quarrying on opposite sides of a headland in changing the morphology of shoreline configuration. (16 marks)
5. Describe the geomorphological processes in various shoreline beach zones. (16 marks)
6. Explain the differences between saturated and Horton overland flow (OF) model. (16 marks)
