



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR SCIENCE IN EARTH SCIENCE WITH
INFORMATION TECHNOLOGY**

MAIN CAMPUS

**NGA 210: QUATERNARY GEOMORPHOLOGY OF EAST
AFRICA**

Date: 19th April, 2016

Time: 11.00 - 1.00 pm

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.
- Sketch maps and diagrams should be used whenever appropriate.



NGA 210: QUATERNARY GEOMORPHOLOGY OF EAST AFRICA

1. (a) Examine types of sea level changes and their associated features within the East African coasts. (8 marks)

(b) Discuss the cycle of erosion concept by Davis and King in geomorphogenesis. (6 marks)

(c) Discuss evolution of the Kaimasian and the Gamblian paleolakes in Eastern Africa. (8 marks)

(d) Describe evolution of the East African Quaternary period sediments. (8 marks)
2. Examine methods of dating Quaternary landforms in Eastern Africa. (20 marks)
3. Discuss Quaternary paleogeographic reconstructions in Eastern Africa. (20 marks)
4. Discuss evolution and hydrological properties of the East African Rift Valley. (20 marks)
5. Describe any two major Post-African orogenic cycles after the Gondwanaland separation. (20 marks)
6. Discuss the emergence of man and economic activities in Eastern Africa during the quaternary period. (20 marks)