

# MASENO UNIVERSITY **UNIVERSITY EXAMINATIONS 2013/2014**

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

(MAIN CAMPUS)

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

Time: 11.15am - 1.30pm

#### INSTRUCTIONS:

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

MASENO UNIVERSITY

ISO 9001:2008 CERTIFIED



## NGA 210: QUATERNARY GEOMORPHOLOGY OF EASTERN AFRICA

1. a) D	distinguish between the following:	
i)	Isotope analysis and relative dating.	[6 marks]
ii)	Eustatic and Isostatic sea level change.	[6 marks]
iii)	Geoarchaeology and documentary records.	[6 marks]
b) W i)	Vrite short notes on: Eccentricity and obliquity.	[6 marks]
ii)	Lake sediments deposits in East Africa.	[6 marks]
Assess the main factors influencing river environments during the Quaternary period.  [10 marks]		
b) Discu	ass paleomagnetism method of dating earth materials.	[10 marks]
	e the fringing reefs and landforms and their associated co Quaternary Period.	pastal landform [20 marks]
	the glacial cycles changes experienced in Eastern Africa nary period.	during the [20 marks]
5. Examine dynami	e the paleoclimatic proxy methods used to reconstruct paces	st climate [20 marks]
6. Examine	e the Arabian Nubian Shield and the associated sediment	s.

[20 marks]