

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 211: PRICNIPLES OF GEOLOGY

Date: 24th March, 2014

MASENO UNIVERSITY

Time: 11.15am - 1.30pm

INSTRUCTIONS:

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

ISO 9001:2008 CERTIFIED



NGA 211: PRINCIPLES OF GEOLOGY

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1.	Write short notes on the following: Catastrophic uniformitarianism.	[6 marks]
		[6 marks]
	iii. Law of superposition.	[4 marks]
	b) Describe different scales with which sediment grain size can be con	npared. [6 marks]
	c) Discuss the classification and flow characteristics of volcanic rocks	[8 marks]
2.	Explain the major types of economic minerals and their associated use	es. [20 marks]
3.	Discuss types of metamorphism and factors that influence metamorph	ism. [20 marks]
4.	Describe ways in which sediments and particles can be transported.	[20 marks]
5.	a. Discuss the types of seismic waves. b. Examine scales of earthquake intensity and magnitude determination.	[10 marks] on. [10 marks
6	Explain the principle classes of geological structures and their mode	of formation [20 marks