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EMBU UNIVERSITY COLLEGE

(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)

FIRST SEMESTER EXAMINATION 2013/2014

FIRST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
HORTICULTURE/ AGRICULTURAL EDUCATION AND EXTENSION/ AGRICULTURE

AWM 104: FUNDAMENTALS OF GEOLOGY

DATE: NOVEMBER 29, 2013

TIME: 8.30 – 10.30 AM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE

- (a) Using appropriate examples outline and discuss any four field methods of geology. (10 marks)
- (b) Define the following processes in wind erosion
- (i) Deflation (5 marks)
 - (ii) Abrasion (5 marks)
- (c) Using examples, discuss five factors that trigger mass wasting (10 marks)

QUESTION TWO

- (a) Explain what you understand by the following principles of geology
- (i) Catastrophism (5 marks)
 - (ii) Uniformitarianism (5 marks)
- (b) Explain the concept of absolute dating as used in the study of geology. (10 marks)

QUESTION THREE

With the aid of diagrams describe in detail the rock cycle. (20 marks)

QUESTION FOUR

Explain the structure and formation of the earth. (20 marks)

QUESTION FIVE

Describe in detail the five types of extrusive volcanism.

(20 marks)

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