MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR
THIRD YEAR SECOND SEMESTER

SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT
BACHELOR OF ENVIRONMENTAL EARTH SCIENCE

COURSE CODE: EES 3245
COURSE TITLE: TECTONIC GEOMORPHOLOGY

DATE: 16TH APRIL 2019
1100 - 1300 HRS

TIME:
INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and any other TWO in section B.

This paper consists of 2 printed pages. Please turn over

TECTONIC GEOMORPHOLOGY

SECTION A (30 MARKS) (compulsory)

1. (a) Discuss the contribution of the following in the understanding of geomorphology.
   i) William Morris Davis (5 marks)
   ii) Walther Penck (5 marks)

   (b) Distinguish ‘weathering’ from ‘mass movement’. (10 marks)

   (c) Humans are usually regarded as geomorphic agents. Discuss. (10 marks)

SECTION B (40 MARKS) (answer any TWO questions)

2. Discuss the processes by which glaciers sculpture and fracture the land surface. (20 marks)

3. Describe how the following processes are applied in transporting materials by wind.
   a) Saltation. (5 marks)
   b) Reptation. (5 marks)
   c) Suspension. (5 marks)
   d) Creep and related near-surface activity. (5 marks)

4. Describe the three grand cycles at the Earth’s surface. (20 marks)
5. Water flows over and through landscapes in unconcentrated or concentrated forms. Discuss what is meant by ‘unconcentrated flow’ in fluvial processes. (20 marks)

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