



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

TIME: 1100 - 1300 HRS

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

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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