



OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2020 /2021 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER REGULAR EXAMINATION

**FOR THE DEGREE OF BACHELOR OF
EDUCATION (ARTS)**

COURSE CODE: GEO: 322

COURSE TITLE: GEOMORPHOLOGY

DATE: 14th JULY 2021

TIME: 1:00 – 4:00 PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF THREE PRINTED PAGES

PLEASE TURN OVER

GEO 322: GEOMORPHOLOGY

Stream: BED (ARTS)

DURATION: 3 HOURS

INSTRUCTIONS

- (i) Answer Question ONE and ANY other TWO questions*
- (ii) Use suitable illustrations where necessary to clarify answers*
- (iii) Do not write on the question paper*

Question One

- i) Describe the scope of geomorphology (6 Marks)
- ii) "Geomorphology as a discipline focuses on quaternary period of geological table." Explain (6 Marks)
- iii) Describe any three elements for geomorphologic processes (6 Marks)
- iv) Explain three ways in which geomorphological knowledge contribute to national development (6 Marks)
- v) Describe catastrophism and uniformitarianism approaches to geomorphological studies (6 Marks)

Question Two

- a). Describe Davis Morris theory of erosion cycle or evolution (10 Marks)
- b). Highlight ways in which knowledge of erosion cycle may contribute to disaster preparedness (10 Marks)

Question Three

- a). Describe three mechanisms by which wind sculpture arid landscape (6 Marks)
- b). Using illustrations, describe landforms resulting from wind erosion in arid areas (14 Marks)

Question Four

- a) Discuss the slope system under the following components
 - i) Inputs (5 Marks)
 - ii). Outputs (5 Marks)
- b) Explain factors influencing slope stability (10 Marks)

Question Five

- a) Define the term dynamic equilibrium according to Hack 1960 (2 Marks)
- b) "*Equilibrium in geomorphology is desired but hardly attained.*" Using base level, graded equilibrium and longitudinal equilibrium discuss the foregoing observation. (10 Marks)
- c) Discuss geomorphological processes under the following themes
 - i). Terrestrial processes (4 Marks)
 - ii) Extra-terrestrial processes (4 Marks)