

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

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 uniformanitariasm 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) D) Using illustrations, describe landforms resulting from wind erosion in arid areas (14 Marks) Question Four a) Discuss the slope system under the following components ii) Inputs (5 Marks) b) Explain factors influencing slope stability (10 Marks)	Stre	am: BED (ARTS) DURATION	N: 3 HOURS
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ii). Outputs (5 Marks)	a) Discu	ss the slope system under the following components	
) Inputs		(5 Marks)
b) Explain factors influencing slope stability (10 Marks)	i). Outp	uts	(5 Marks)
	o) Expla	in 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)