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**COLLEGE**  
*Bastion of Knowledge...*

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

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## UNIVERSITY EXAMINATIONS

### 2019 /2020 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER REGULAR EXAMINATION

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

**COURSE CODE: GEO 322**

**COURSE TITLE: GEOMORPHOLOGY**

**DATE: 3<sup>RD</sup> ~~OCTOBER~~ <sup>NOV</sup> 2020**

**TIME: 9.00 AM – 12.00 PM**

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### INSTRUCTION TO CANDIDATES

- SEE INSIDE

**THIS PAPER CONSISTS OF 3 PRINTED PAGES**

**PLEASE TURN OVER**



**GEO 322: GEOMORPHOLOGY**

**STREAM: BED (ARTS/B.ST)**

**TIME: 3 HRS**

**INSTRUCTIONS:**

- (i) *Answer question ONE and ANY other TWO questions*
- (ii) *Use suitable illustrations whenever they assist to clarify your answers*
- (iii) *Do not write on the question paper*

**Question One**

- a) Define the following terms as used in the study of Geomorphology:
  - i) Landform (2 Marks)
  - ii) Landscape (2 Marks)
  - iii) Morphometrics (2 Marks)
- b) Citing relevant examples, explain FOUR main categories of landforms (12 Marks)
- c) Describe the contribution of ancient philosophers towards the development of modern Geomorphology (12 Marks)

**Question Two**

- a) Explain two main aeolian processes (4 Marks)
- b) Describe the formation of any two aeolian landforms (10 Marks)
- c) Highlight significance of aeolian processes to man (6 Marks)

**Question Three**

- a) Describe the plate tectonic theory and highlight major resultant landforms. (12 Marks)
- b) Explain how the following models are used to explain forces responsible for plates movement:
  - i) Convectional currents hypothesis (4 Marks)
  - ii) Hot plumes hypothesis (4 Marks)

**Question Four**

- a) Differentiate between weathering and mass wasting. (2 Marks)
- b) Discuss factors which influence mass wasting (10 Marks)
- c) Explain how ANY TWO of the following weathering processes occur:
  - i) Solution (4 Marks)
  - ii) Crystal growth (4 Marks)
  - iii) Oxidation (4 Marks)
  - iv) Carbonation (4 Marks)

**Question Five**

- a) Discuss the stages of the Davisian cycle of erosion and the resultant landforms. (12 Marks)
- b) Highlight major criticism of the Davisian cycle of erosion. (8 Marks)

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