



OFFICE OF THE DEPUTY PRINCIPAL  
ACADEMICS, RESEARCH AND STUDENT AFFAIRS

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## UNIVERSITY EXAMINATIONS

### 2021/2022 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER REGULAR EXAMINATION

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

**COURSE CODE:** BGS 320E

**COURSE TITLE:** ARID AND SEMI-ARID LANDS

**DATE:** 3<sup>RD</sup> JUNE, 2022

**TIME:** 9.00AM – 12.00PM

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#### INSTRUCTION TO CANDIDATES

- SEE INSIDE

**THIS PAPER CONSISTS OF 2 PRINTED PAGES**

**PLEASE TURN OVER**

**STREAM: BED (ARTS)**

**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) Describe distinguishing characteristics of the following types of dry lands:
  - i) Hyper-arid (4 Marks)
  - ii) Arid (4 Marks)
  - iii) Semi-arid (4 Marks)
- b) Explain any FOUR natural processes that may cause aridity. (8 Marks)
- c) Describe major land use practices in arid and semi-arid lands of the world. (10 Marks)

**Question Two**

- a) Discuss major challenges facing arid and semi-arid regions. (10 Marks)
- b) Suggests possible and workable solutions to the above (a) challenges (10 Marks)

**Question Three**

- a) Discuss factors which determine land use patterns in arid and semi-arid lands. (12 Marks)
- b) Highlight the joint recommendations of World Meteorological Organization (WMO) and the United Nations Environmental Programme (UNEP) on improving the understanding of interaction between climate and desertification. (8 Marks)

**Question Four**

- a) Highlight non-wood forest products produced in arid and semi-arid lands. (10 Marks)
- b) Explain characteristics of dryland vegetation. (10 Marks)

**Question Five**

Discuss major programmes/projects aimed towards management of arid and semi-arid lands in Kenya. (20 Marks)

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