



OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, RESEARCH AND STUDENT AFFAIRS

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: 3RD JUNE, 2022

TIME: 9.00AM – 12.00PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 2 PRINTED PAGES

PLEASE TURN OVER

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)
