



**MALUPE UNIVERSITY
COLLEGE**
Bastion of Knowledge...

P. O. Box 845-50400 Busia(K)
principal@auc.ac.ke
Tel: +254 741 217 185
+254 736 044 469
off Busia-Malaba road

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

UNIVERSITY EXAMINATIONS

2019 /2020 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: 30TH OCTOBER, 2020

TIME: 2.00 PM – 5.00 PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

BGS 320E ARID AND SEMI-ARID LANDS

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) Describe distinguishing characteristics of the following categories of dry lands:
 - i) Hyper-arid (4 Marks)
 - ii) Arid (4 Marks)
 - iii) Semi-arid (4 Marks)
- b) Explain any FOUR natural factors that may cause aridity and desertification (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 of the world (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 understanding of interaction between climate and desertification. (8 Marks)

Question Three

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

Question Five

Citing examples drawn from Kenya, discuss the potential of main natural resources that arid and semi-arid lands are endowed with. (20 Marks)
