**ALUPE 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

# 2020 /2021 ACADEMIC YEAR

## FOURTH YEAR SECOND SEMESTER REGULAR EXAMINATION

# FOR THE DEGREE OF BACHELOR OF EDUCATION (ARTS)

**COURSE CODE: BGS 421**

**COURSE TITLE:** SUSTAINABLE LAND MANAGEMENT AND DEVELOPMENT

**DATE: 15th JULY, 2021**                     **TIME: 8:00 – 11:00AM**

## INSTRUCTION TO CANDIDATES

- **SEE INSIDE**

**THIS PAPER CONSISTS OF THREE PRINTED PAGES     PLEASE TURN OVER**

## BGS 421: SUSTAINABLE LAND MANAGEMENT AND DEVELOPMENT

<u>Stream: BED (ARTS)</u>                                    <u>DURATION: 3 HOURS</u>

<u>INSTRUCTIONS</u>

*(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

a.  Describe three broad categories of land tools in Kenya          (6 Marks)

b.  Explain any three barriers to effective adoption of Sustainable Land Management innovations in Kenya                                          (6 Marks)

c.  Highlight major pillars of Sustainable Land Management among pastoral communities in Northern part of Kenya                                   (6 Marks)

d.  Describe three sustainable Land Management innovations in western Kenya

                                                        (6 Marks)

e.  Demonstrate three different ways in which adopting Conservation Agriculture address challenges of sustainable Land Management              (6 Marks)

### Question Two

a) Describe Sustainable Management Land monitoring indicators developed by UNEP in 1992

                                                        (10 Marks)

b) Explain impact of mining on land sustainability          (10 marks)

### Question Three

a) Suggest ways in which afforestation contributes to sustainable land management

                                                        **(10 Marks)**

b). Describe major physical and human indicators of land degradation          **(10 Marks)**

### Question Four

a) Critically examine land functions according to Food and Agricultural Organization report of 1997                                            **( 10 Marks)**

b) Discuss UN-Habitat guidelines on sustainable land management          **(10 Marks)**

**Question Five**

a) Discuss land acts enacted in Kenya to harmonize utilization of land resources in the country

(10 Marks)

b) Describe major functions of land administration infrastructure in Kenya      (10 Marks)