



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

**A. M. E. C. E. A**

P.O. Box 62157

00200 Nairobi - KENYA

Telephone: 891601-6

**MAIN EXAMINATION**

**MAY – JULY 2019 TRIMESTER**

**FACULTY OF ARTS AND SOCIAL SCIENCES**

**DEPARTMENT OF HUMANITIES (GEOGRAPHY)**

**REGULAR PROGRAMME**

**GEO 402: MANAGEMENT OF ARID AND SEMI-ARID LANDS**

**Date: JULY 2019**

**Duration: 2 Hours**

**INSTRUCTIONS: Answer ONE Question and any other TWO Questions**

- Q1. (i) Discuss the meanings of the following concepts:
- (a) Drought (2 marks)
  - (b) Desertification (2 marks)
  - (c) Aridity (2 marks)
- (ii) Elaborate the three vegetation in Arid zone giving their general Characteristics (9 marks)
- (iii) Examine the problems facing arid Zones in Africa (10 marks)
- (iv) Identify **Five** principles of rehabilitation in Arid and semi- Arid Lands (5 marks)
- Q2. Examine the two broad causes of Aridity in any Biophysical environment. (20 marks)
- Q3. Discuss this statement that indigenous knowledge has a place in Environmental conservation. (20 marks)
- Q4. Examine the use of technologies in solving problems in Arid and Semi Arid – Lands (20 Marks)
- Q5. (i) Discuss the three arid zones found in ASALS and clearly show their Characteristics (10 marks)
- (ii) Discuss the concept hydrological cycle is a vicious cycle which needs constant monitoring (10 marks)

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