

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF MASTER  
OF ARTS IN GEOGRAPHY

**GEOG 847: ENVIRONMENTAL MANAGEMENT AND RESOURCE CONSERVATION**

**STREAMS: MA (GEOG) Y1S2 (SB/PT)**

**TIME: 3 HOURS**

**DAY/DATE: WEDNESDAY 15/04/2020**

**8.30 A.M. – 11.30 A.M.**

**INSTRUCTIONS:**

- Answer question ONE and any other TWO questions
- Examples, illustrations and diagrams should be used to support an answer when necessary

- (a) Examine any SIX principles applied in effective management of the environment [15 marks]
  - (b) Explain the concept “Tragedy of commons” in understanding resources conservation challenge [9 marks]
  - (c) Assess any four problems hindering implementation of sustainable environmental management plans in the country [6 marks]
2. As a consultant for IFAD-Kenya, you want to support communities in Tharaka-Nithi with small irrigation projects. Outline and explain procedures to follow in carrying out an environmental and social assessment (ESA) for the irrigation projects [15 marks]
3. Examine any FIVE global environmental challenges facing humanity in the 21<sup>st</sup> century [15 marks]
- (a) Discuss any four criteria used in selecting projects to be subjected to an environmental impact assessment [12 marks]
  - (b) Show how ISO 14001: 2015 is an important standard for environmental management systems [3 marks]

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5. (a) Compare and contrast environment and social assessment (ESA) and strategic environmental assessment (SEA) [9 marks]
- (b) State any THREE important aspects of engaging the public in conservation of natural resources. [3 marks]
- (c) How can the public owned resources be managed effectively in the face of increased embezzlement and misappropriations [3 marks]
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