



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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

**MAIN EXAMINATION**

**JANUARY – APRIL 2015 TRIMESTER**

**FACULTY OF ARTS AND SOCIAL SCIENCES**

**DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES**

**GEO-ENV 500: INTERGRATED ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL AUDIT**

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<b>Date: April 2015</b>	<b>Duration: 3 Hours</b>
<b>Instructions: Answer ANY THREE Questions</b>	

- Q1. a) i) Discuss the concept of sustainable development. **(3 marks)**  
ii) Explain the role that EIA can play as a tool of sustainable development. **(4 marks)**
- b) Identify and briefly explain any five (5) guiding principles of EIA good practice. **(5 marks)**
- c) Discuss the benefits of using an EIA process, and provide local examples that highlight the gains that can be obtained from a well-managed EIA. **(8 marks)**
- Q2. a) Discuss the statement, “stakeholder consultation and public participation (CPP) is the Heart Beat of the EIA process.” **(5 marks)**
- b) Briefly explain the key factors that may affect effectiveness of stakeholder consultation and participation during the EIA process. **(5 marks)**
- c) Clearly differentiate between consultation and participation and outline factors that contribute towards a successful CCP programme. **(5 marks)**
- d) ‘Social Impact Assessment is about livelihoods.’ Explain. **(5 marks)**
- Q3. Nairobi Road Construction has contracted CUEA Environmental Consultants Ltd. to undertake an Environmental Impact Assessment (EIA) of the proposed road construction through Kibera, Ngong forest, and Dagorreti to link with the Nairobi Nakuru Highway. The company proposes to resettle 500 families, build modern

houses; complete with waste treatment facilities, solar highlighting and schools among others.

As a lead expert with CUEA Environment Consultants Ltd, you have been given the responsibility of carrying out the EIA to comply with the requirements of NEMA.

- a) Explain the key considerations in appointing a reputable project manager. **(5 marks)**
- b) Briefly explain the key factors or parameters that would guide selection of the study team. **(5 marks)**
- c) Assuming you are the team leader/Lead expert, briefly discuss how you would approach the assignment. **(10 marks)**
- Q4. a) Assimilate a proposal for a coal mining industry in Kitui County and Identify ten (10) concerns/impacts; and prepare an environmental management and monitoring Plan (EMMP). **(10 marks)**
- b) Briefly explain the generic stages in EIA Process. **(10 marks)**
- Q5. a) As an expert, assimilate an EIA report review and explain the steps you would consider in the process. **(10 marks)**
- b) Explain the basis for determining a successful EIA report. **(10 marks)**
- Q6. a) 'Sound management of the environment in Kenya requires that organizations comply with environmental standards. Discuss.' **(5 marks)**
- b) Discuss how occupational risk for a hazard can be assessed. **(5 marks)**
- c) Show instances where environmental economics can be applied when undertaking EIA. **(5 marks)**
- d) Using any two methods, explain how environmental services can be evaluated. **(5 marks)**

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