



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

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AUGUST – DECEMBER 2016 TRIMESTER

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF DEVELOPMENT STUDIES

EVENING PROGRAMME

MPM 509: ENVIRONMENTAL IMPACT ASSESSMENT (E.I.A)

Date: DECEMBER 2016

Duration: 3 Hours

INSTRUCTIONS: Answer ANY FOUR Questions

- Q1. Explain what is meant by the terms “Environmental Impact Assessment” (E.I.A) and “Strategic Environmental Assessment” (S.E.A) and what they constitute. Further discuss in what ways S.E.A can be said to address gaps that are not considered within the E.I.A? **(20Marks)**
- Q2. An Investor wants to put up an Industrial Plant for the manufacture of paper and its derivatives for both local and external market. The Investor intends to establish the paper manufacturing mill in relatively wet and forested upper parts of Laikipia District in the slopes of Mt. Kenya. In view of the socio-economic and bio-physical environmental implications that may result due to the proposal, there has been public debate particularly on the loss of habitat/biodiversity and competition for scarce water resources in the region. Assuming your consultancy firm has won a contract to undertake Environmental Impact Assessment (EIA) study on this proposed project:
- a) Discuss the logical steps in the E.I.A process that your study team is likely to follow in order to achieve the task assigned to you. **(10 Marks)**
 - b) Who would you consider to be Key Stakeholders to participate in the E.I.A study process? Give reasons for your answer. **(5 Marks)**
 - c) State at least FIVE issues which should form the scope of the E.I.A study. **(5 Marks)**

- Q3. Discuss the pros and cons/ challenges that are associated with the E.I.A in developing countries. **(20Marks)**
- Q4. Write short notes on the following
a) Environmental Risk Assessment
b) Pollution control acts
c) Environmental Management Strategies
d) Noise pollution **(20 Marks)**
- Q5. a) Explain how E.I.A fits in the concept of sustainable development. **(10 Marks)**
- b) Define the term Mitigation as it relates to E.I.A then suggest possible mitigation measures for the following environmental impacts from an irrigation and drainage scheme project:
- i) Water quality problems for downstream users caused by irrigation return flow.
ii) Ground water depletion
iii) Increased incidence of water related disease. **(10 Marks)**
- Q6. Discuss the role of consultation and public /stakeholder participation in an E.I.A process and state at whatstages the public is involved/ consulted. **(20 Marks)**

END