

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF THE BUILT ENVIRONMENT**

**DEPARTMENT OF ARCHITECTURE
BACHELOR OF ARCHITECTURAL STUDIES (HONOURS) DEGREE
PART V – FIRST SEMESTER SUPPLEMENTARY EXAMINATIONS – AUGUST 2013
BAR 5105 - ENVIRONMENTAL IMPACT ASSESSMENT**

Instructions

*Answer **question 1** and any other three (3) questions.*

Duration: 3 Hours

Total Marks: 100

QUESTION 1

An investor wants to put up a 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 a relatively wet and forested upper parts of Nyanga District in the slopes of Mt. Nyangani. As part of the paper mill, the investor will also provide infrastructure and social amenities in the region. 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 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 EIA process that your study team is likely to follow in order to achieve the task assigned to you. Justify the formation of the interdisciplinary team for this EIA study. (20)
 - b. Who would you consider to be Key Stakeholders to participate in the EIA study process? Give reasons for your answer. (6)
 - c. What could constitute the environmental management plan (EMP)? (14)
- [40]**

QUESTION 2

Discuss the Nature and Functions of Environmental Impact Assessment indicating its entry points in the Project Cycle.

[20]

QUESTION 3

List and discuss the merits and demerits of the five main impact identification methods.

[20]

QUESTION 4

- a. What is the purpose of scoping in EIA (5)
 - b. Outline the public involvement methods as used in the conducting of scoping (5)
 - c. Discuss the roles of various stakeholders in scoping. (10)
- [20]**

QUESTION 5

- a. What is the purpose of reporting in EIA (5)
 - b. Discuss the typical elements of an EIA report (15)
- [20]**