

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF THE BUILT ENVIRONMENT
2012-2013 ACADEMIC YEAR
DEPARTMENT OF ARCHITECTURE
BACHELOR OF ARCHITECTURAL STUDIES (HONOURS) DEGREE
PART V – FIRST SEMESTER EXAMINATIONS – JANUARY 2013
BAR 5105 - ENVIRONMENTAL IMPACT ASSESSMENT

Instructions

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

Duration: 3 Hours

Total Marks: 100

QUESTION 1

You have won a major tender for a land development programme aimed at establishing a shopping mall and associated infrastructure in Cowdray Park township of Bulawayo. Describe what could constitute the following:

- a. Terms of reference/proposal of the EIA study (16)
 - b. Environmental Impact Statement (EIS) (12)
 - c. EIA report. (12)
- [40]**

QUESTION 2

- a. Explain the purpose and aims of an environmental impact assessment. (14)
 - b. Some developers have complained that the EIA process causes delay in project implementation. How do delays occur in the EIA process? (6)
- [20]**

QUESTION 3

Outline the techniques used in achieving impact prediction and assessment in EIA. **[20]**

QUESTION 4

- a. Discuss 'mitigation measures' as used in EIA (10)
 - b. What is scoping and why is it necessary in EIA. (10)
- [20]**

QUESTION 5

- a. What precaution should be taken at construction sites to minimise exposure to common hazardous construction substances. (10)
 - b. Construction sites can be noisy environments. Outline steps that can be taken to reduce noise during the construction phase of a project (10)
- [20]**