

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ARCHITECTURE AND QUANTITY SURVEYING

DEPARTMENT OF ARCHITECTURE

BACHELOR OF ARCHITECTURAL STUDIES (HONOURS) DEGREE

PART V - END OF FIRST SEMESTER EXAMINATIONS – DECEMBER 2006

AAR 5105 - ENVIRONMENTAL IMPACT ASSESSMENT

Instructions

Duration: 3 Hours

Answer any FOUR Questions.

Each Question carries 25 marks.

Total Marks: 100

Question 1

Discuss the major Environmental Impact Assessment steps you would undertake for a project of your choice. [25 marks]

Question 2

Discuss the following:

- a) Global warming [5 marks]
- b) Greenhouse gases [4 marks]
- c) Ozone layer depletion [4 marks]
- d) Discuss how doing Environmental Impact Assessment can reduce in the above (a), (b), (c) for construction projects [12 marks]

Question 3

You have won a major tender for a land development programme aimed at establishing houses, school, shopping mall and road infrastructure. Compile the following:

- a) Major environmental issues [5 marks]
- b) Typical impacts [5 marks]
- c) Types of analyses and tools which may be applied [10 marks]
- d) Management steps to mitigate the impacts. [5 marks]

Question 4

Establish your own prospectus for a project of your choice. [25 marks]

Question 5

Discuss what you have learnt about the Environmental Management Standards for the Construction Industry during the study of Environmental Impact Assessment in the context of environmental protection. [25 marks]

Question 6

Critics say that Environmental Impact Assessment (EIA) is a stumbling block to development and a major financial fraud by EIA consulting companies. Discuss your opinion in the context of environmental protection. [25 marks]