

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY  
FACULTY OF ENVIRONMENTAL SCIENCE  
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND HEALTH  
BACHELOR OF ENVIRONMENTAL SCIENCE HONOURS DEGREE  
EXAMINATIONS

ENVIRONMENTAL SCIENCE: SBB 1101

January 2004

Time allowed: 3 Hours

Total Marks: 100

**INSTRUCTIONS:**

Answer any **FOUR** questions. Each question carries **25** marks.

1. Describe the likely biological problems that result from the construction of dams.
2. Write an essay on the presumed causes and effects of "Global Warming".
3. Describe the global carbon cycle and show how human activity impacts on it.
4. Write an essay on the various chemical factors that may be responsible for food preferences in vertebrates.
5. Using clearly labelled diagrams explain in detail the mechanism of action of pesticides.
6. a) What is an Environmental Impact Assessment (EIA) and why is it conducted. (10 marks)  
b) Give an outline of the essential features of an EIA. (15 marks)

*End of Question Paper*