



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR
THE DEGREE OF MASTER OF SCIENCE IN
ENVIRONMENTAL SCIENCES
(CITY CAMPUS)

NES 826: ENVIRONMENTAL PROTECTION & CONSERVATION

Date: 27th April, 2012

Time: 9.00 – 12.00 noon

INSTRUCTIONS:

- ◆ Answer ANY FOUR questions.

INSTRUCTIONS

Answer any FOUR questions from this paper

1. Climate change process has been observed to be a factor that has brought about socioeconomic and ecological imbalances affecting human population adversely. Discuss how it has escalated human resource use conflicts in various societies. (15 mks).

2. a) Elucidate why it has been acknowledged that climate change drivers include natural phenomenon hiding behind human activities? (7 mks).

b) Inland aquatic ecosystems integrate all the atmospheric and terrestrial processes that occur in their catchment and are thus considered among the natural environments most sensitive to anthropogenic disturbance. Discuss the possible environmental problems that are associated with these types of water bodies and how they can be mitigated. (8 mks).

3 a) Carbon dioxide problem is an external forcing that influences a number of global environmental issues. Discuss (10 mks).

b) Explain how carbon dioxide problem can be mitigated. (5 mks).

4. Loss of Biodiversity and Desertification are both global environmental issues with positive feed back on one another. Discuss. (15mks).

5. It has been argued that industrial revolution and agrarian system developments have been the drivers of global environmental issues and finally the cause of biodiversity loss. Discuss. (15 mks).

6. a) Discuss how environmental policies can be applied to enhance protection and conservation of environmental goods and resources that rival in consumption. (7 mks).

b) Discuss how ozone layer depletion has contributed to global food insecurity? (8 mks).

