

**UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE &
PLANNING**

**FINAL EXAMINATION, MAY 2009
MSc**

**TITLE OF PAPER : DEVELOPMENT, URBAN SYSTEMS AND
THE ENVIRONMENT**

COURSE NUMBER : ERM 620

TIME ALLOWED : THREE (3) HOURS

**INSTRUCTIONS : ANSWER TWO (2) QUESTIONS
ILLUSTRATE YOUR ANSWERS WITH
APPROPRIATE DIAGRAMS**

**MARK ALLOCATION : EACH QUESTION CARRIES FIFTY (50)
MARKS**

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN
GRANTED BY THE INVIGILATOR**

ERM 620: DEVELOPMENT, URBAN SYSTEMS AND THE ENVIRONMENT

Answer 2 questions

QUESTION 1

- a) 'Sustainability assessment can be applied to the restructuring of urban areas so that they are more sustainable'. Discuss. (20 marks)
- b) Demonstrate how you would use the sustainability assessment approach to reduce Manzini city's Ecological Footprint. (30 marks)
- (50 marks)

QUESTION 2

'African governments should leave the process of urban development to the self-regulating mechanisms of the market'. Discuss. (50 marks)

QUESTION 3

'The literature on urban agriculture is not conclusive about the links between poverty alleviation, urban nutrition and ecological sustainability'. Elucidate. (50 marks)

QUESTION 4

- a) Examine the main sources and levels of ambient air pollution in the urban areas of any country in Southern Africa. (20 marks)
- b) Review the air quality management strategies pursued in some of the cities in the country selected in (a) above. (30 marks)
- (50 marks)

END OF EXAM PAPER