

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

**FINAL EXAMINATION PAPER – DECEMBER, 2013
MSc**

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

COURSE NUMBER : ERM 620

TIME ALLOWED : THREE (3) HOURS

**INSTRUCTIONS : ANSWER ANY TWO (2) QUESTIONS. WHERE
APPROPRIATE ILLUSTRATE YOUR ANSWER
WITH EXAMPLES**

MARKS ALLOCATION: EACH QUESTION CARRIES FIFTY (50) MARKS

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

ERM-620 FINAL EXAMINATION DECEMBER 2013

Answer any Two Questions

Question 1

Outline Yue-man Yeung's (2000) ideas on globalization and the new urban challenge under the following headings:

- i) Three major urban trends on a global scale that were evident by the end of the 20th century (12 marks)
 - ii) Three trends that characterise the New Global Economy (18 marks)
 - iii) Four commonalities that appear to characterise cities that have been exposed to the forces of globalization in different parts of the world (20 marks)
- (50 Marks)**

Question 2

Describe how you would use GIS to select the most environmentally and socially suitable site for new landfill in Manzini city. (50 Marks)

Question 3

'There are two aspects to the bio-geophysical approach to urban ecological studies'. Discuss the validity of the statement. (50 Marks)

Question 4

Outline Newman's (2006) approaches to understanding the environmental impact of cities under the following heading:

- i) Ecological Footprint model (17 marks)
- ii) Population Impact model (16 marks)
- iii) Sustainability Assessment model (17 marks)

(50 Marks)