

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

**SUPPLEMENTARY EXAMINATION, JULY 2012**

**B.A., B.Ed., B.Sc., BASS, JMC 3, IDE.**

**TITLE OF PAPER: INTRODUCTION TO THE HUMAN ENVIRONMENT**

**COURSE NUMBER: GEP 121**

**TIME ALLOWED: THREE (3) HOURS**

**INSTRUCTIONS: THIS PAPER IS DIVIDED INTO TWO SECTIONS**

**SECTION A: TECHNIQUES AND SKILLS**

- 1. ANSWER ALL QUESTIONS (COMPULSORY)**
- 2. THIS SECTION CARRIES 40 MARKS**

**SECTION B: SHORT ANSWERS / ESSAYS**

- 1. ANSWER ANY TWO QUESTIONS**
- 2. EACH QUESTION CARRIES 30 MARKS**

**SPECIAL REQUIREMENTS: None**

**THIS PAPER SHOULD NOT BE OPENED UNTIL PERMISSION IS GRANTED  
BY THE INVIGILATOR**

**GEP 121: INTRODUCTION TO THE HUMAN ENVIRONMENT - JULY 2012**

**SECTION A: TECHNIQUES AND SKILLS (40 MARKS)  
COMPULSORY**

**QUESTION 1**

- a) Define the following concepts:
- i. Geographical variable (2 marks)
  - ii. Dependent variable (2 marks)
  - iii. Sex ratio (2 marks)
  - iv. Optimum population (2 marks)
  - v. Cultural landscape (2 marks)
- b) Explain the procedure of plotting a linear graph. Do not draw the graph. (10 marks)
- c) Project the Swaziland population size in the year 2020 and 2030 based on 2011 population of 1 249 211 and growth rate of 2.8%. (10 marks)
- d) Using an appropriate technique represent the data on table 1 below. (10 marks)
- (40 Marks)**

**SECTION B: SHORT ANSWERS / ESSAYS (60 MARKS)  
ANSWER ANY TWO QUESTIONS**

**QUESTION 2**

- a) Distinguish between renewable and non-renewable resources. (6 marks)
- b) Using examples explain the dilemma of stock resources. (24 marks)
- (30 Marks)**

**QUESTION 3**

Using examples from countries in the SADC region, discuss the factors constraining economic development in less developed countries. (30 Marks)

**QUESTION 4**

Identify and explain two models that best illustrate the spatial aspects of economic development. (30 Marks)

**QUESTION 5**

- a) Outline the functional characteristics of cities. (10 marks)
- b) Using examples discuss the challenges posed by urbanisation. (20 marks)
- (30 Marks)**

Table 1: Trade between SADC countries in 2011

Country	Volume Traded (US\$'000)
Angola	1, 800, 041
Botswana	1, 987, 998
Democratic Republic of Congo	98, 788
Lesotho	31, 113
Madagascar	920, 145
Malawi	69, 796
Mauritius	997, 298
Mozambique	1, 375, 826
Namibia	561, 741
South Africa	2, 010, 190
Swaziland	978, 541
Tanzania	78, 999
Zambia	999, 995
Zimbabwe	10, 158
<b>Total = 14 Countries</b>	

Source: Hypothetical