UNIVERISTY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVORONMENTAL SCIENCE AND
PLANNING
FINAL EXAMINATION, MAY 2006
B.A., B.Ed., B.Sc., BASS.

TITLE OF PAPER: INTRODUCTION TO THE HUMAN ENVIRONEMNT

COURSE NUMBER: GEP 121

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS: THIS PAPER IS DIVIDED INTO TWO SECTIONS

SECTION A: SHORT ANSWERS / ESSAYS

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

SECTION B: TECHNIQUES AND SKILLS

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

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

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

QUESTION 1

a) "How long will reserves of the earth's non-renewable resources last?" (Haggett, 2001:309). Discuss using examples.   (15 marks)

b) Define the following concepts:
i) Environment   (3 marks)
ii) Location   (3 marks)
iii) Wetlands   (2 marks)
iv) Resource conservation   (2 marks)

c) With the aid of an example describe a morphologic system.   (5 marks)
                                                                (30 marks)

QUESTION 2

a) Using examples distinguish between renewable and non-renewable resources.
                                                                 (5 marks)
b) Explain using examples what you understand about the concept of 'tragedy of the commons'.   (5 marks)
c) Using examples write an essay on 'diseases and land use change'.   (20 marks)
                                                                (30 marks)

QUESTION 3

a) Using examples discuss how rapid population growth can impair development.
                                                                 (20 marks)
b) Explain the Demographic Transition Model.   (10 marks)
                                                                (30 marks)

QUESTION 4

a) Based on the studies on diffusion models:
i) Identify and describe the main stages in the passage of an innovation through an area.
                                                                 (10 marks)
ii) Explain what is meant by contact fields and mean information fields.   (10 marks)

b) Identify and discuss the challenges posed by urbanization.   (10 marks)
                                                                (30 marks)

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QUESTION 1
Table 1: Foreign tourists from six countries visiting South Africa in 1980.

Country of origin	Number of Tourists
Britain	123 700
West Germany	49 924
The Netherlands	15 142
France	14 654
USA	48 725
Australia	15 104

Source: Liebenberg, (1989)

a) Using the data presented on table 1 do the following
i) Clearly explain (step by step) how to construct a bar diagram. Your discussion must make reference to the data presented.   (8 marks)

b) **Table 2: Intra ACP Trade Selected countries 1995 (In US$ '000)**

Country	Volume Traded
Botswana	1, 869, 000
Gabon	19, 199
Ghana	120, 813.2
Ivory Coast	1, 170, 460
Kenya	1, 069, 071
Lesotho	1, 966
Mali	2, 169
Mauritius	256, 290
Mozambique	311, 927
Swaziland	220, 008
Zambia	461, 240
Zimbabwe	1, 466, 123
Total 12 countries	**6, 968, 266.2**

i) Carry out the necessary calculations (a working table is presented for your use. Attach it to the answer sheet).   (24 marks)
ii) Use the results obtained in (i) above and plot the Lorenz curve showing the trade distribution among member states.   (6 marks)
iii) Establish the distribution of trade between the ACP countries by shading the inequality gap.   (2 marks)

(40 marks)