UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER JULY 2005

TITLE OF PAPER : INTRODCUTION TO THE HUMAN ENVIRONMENT

COURSE NUMBER : GEP 121

TIME ALLOWED : THREE (3) HOURS

INSTRUCTIONS : 1. ANSWER THREE (3) QUESTIONS.

2. PART B IS COMPULSORY.

3. <u>PART A: SHORT ANSWERS/ESSAYS</u>
(i) ANSWER TWO QUESTIONS, ONE FROM EACH SECTION.
(ii) THIS PART CARRIES 60 MARKS.

4. <u>PART B: TECHNIQUES AND SKILLS</u>
(i) ANSWER ALL THE QUESTIONS.
(ii) THIS PART CARRIES 40 MARKS.

4. WHERE APPROPRAITE, ILLUSTRATE YOUR ANSWER WITH EXAMPLES.

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

PART A: SHORT ANSWERS AND ESSAYS

SECTION B: ANSWER ONE QUESTION

QUESTION 1

(i) Why do we say that culture cannot be transferred biologically? [5 marks]

(ii) 'The culture of a group is always larger than the culture of the individual.' Comment on this statement. [5 marks]

(iii) Using examples, explain how the different types of diffusion occur. [20 marks]

QUESTION 2

Discuss the geographic factors that can give rise to conflict. [20 marks]

SECTION B: ANSWER ONE QUESTION

QUESTION 3

(i) How do geographers know what changes have occurred in land use? [4 marks]

(ii) Describe the concept of El Niño. [6 marks]

(iii) Using specific examples, write an essay on the 'green revolution.' [20 marks]

QUESTION 4

(i) "The challenge to control global disease has a number of geographic aspects.' Discuss. [20 marks]

(ii)Explain why the worldwide spread of HIV/AIDS has been so rapid.

[10 marks]

PART B : TECHNIQUES AND SKILLS (40 MARKS)

QUESTION 1

Using the data presented on table 1, on age – sex distribution of U.S. population in 1980 do the following:

(a) Calculate the percentages for males. (10 marks)

(b) Calculate the sex – ratio for each age group. (9 marks)

(c) Calculate the population for:
- (i) ages under 15 years
- (ii) ages 15 – 64 years
- (iii) age 65 and above (3 marks)

(d) Calculate the age - dependency ratio. (2 marks)

(Note: answers to (a), (b), (c), and (d) above should be filled on the table 1, which should be handed in with your answer sheet).

(e) Construct an appropriate diagram to represent the proportion of population: under 15 years; 15 – 64 years and 65 years and above. (8 marks)

QUESTION 2

(a) Outline the procedure for constructing a Lorenz curve using any appropriate example of your choice. Do not draw the Lorenz curve. (8 marks)

Table 1: AGE-SEX DISTRIBUTION OF U.S. POPULATION, 1980

Age	In Thousands			Percentages		
	(1) Both sexes	(2) Male	(3) Female	(4) Male	(5) Female	(6) Sex Ratio
All ages	**227,020**	**110,507**	**116,513**		99.9	
Under 5	16, 344	8,360	7,984		6.9	
5 – 9	16,697	8,538	8,159		7.0	
10 – 14	18,241	9,315	8,926		7.7	
15 – 19	21,220	10,805	10,415		8.9	
20 – 24	21,253	10,849	10,674		9.2	
25 – 29	19,626	9,801	9,825		8.4	
30 – 34	17,6262	8,741	8,886		7.6	
35 – 39	14,008	6,904	7,104		6.1	
40 – 44	11,687	5,726	5,961		5.1	
45 – 49	11,094	5,393	5,701		4.9	
50 - 54	11,710	5,622	6,089		5.2	
55 – 59	11,614	5,481	6,133		5.5	
60 – 64	10,086	4,669	5,416		4.6	
65 – 69	8,781	3,902	4,879		4.2	
70 – 74	6,797	2,853	3,944		3.4	
75 – 79	4,793	1,847	2,945		2.5	
80 - 84	2,934	1,019	1,915		1.6	
85+	2,240	681	1,558		1.3	

Under 15 =

15 – 64 =

65 and over =

Age-dependency ratio =