UNIVERSITY OF ESWATINI

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

FINAL EXAMINATION – MAY/JUNE, 2019

B.ED Primary (IDE)

TITLE PAPER: INTRODUCTION TO THE HUMAN ENVIRONMENT

COURSE CODE: GEP 112/121

TIME ALLOWED: THREE HOURS

INSTRUCTIONS: 1. ANSWER THREE QUESTIONS.

2. QUESTION ONE IS COMPULSORY.

3. CHOOSE TWO QUESTIONS FROM SECTION B.

4. WHERE APPRORIATE, ILLUSTRATE   YOUR ANSWER WITH EXAMPLES.

MARKS ALLOCATION: QUESTION ONE CARRIES FORTY MARKS AND THE OTHER QUESTIONS CARRY THIRTY MARKS EACH.

SPECIAL REQUIREMENTS: Graph paper

THIS QUESTION PAPER SHOULD NOT BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

GEP 112/121: INTRODUCTION TO THE HUMAN ENVIRONMENT
MAY/ JUNE, 2019

SECTION A: COMPULSORY

QUESTION 1

a) Define the following concepts as used in human geography:

i)	Three-quarters rule	(2 marks)
ii)	Population density	(2 marks)
iii)	Geographical variable	(2 marks)
iv)	Population doubling time	(2 marks)
v)	Optimum population	(2 marks)

b) Use the formula $Nt = N_oe^{rt}$ to project for 2030 and 2050 the 2012 population of Eswatini which was estimated at 1 386 914, with a growth rate of 1.195%. (4 marks)

c) Outline the procedure followed when constructing a Lorenz curve.   (6 marks)

d) Using an appropriate graphical technique, portray the data in Table 1.1 below.
                                                                        (10 marks)

e) Using an appropriate graphical technique, re-present the data in Table 1.2 below.
                                                                        (10 marks)

                                                                        (40 Marks)

Table 1.1: Sales at Shoprite in Emalangeni (E) by departments from 2015-2018.

YEAR	DEPARTMENT			
	Fruits	**Bakery**	**Liquor**	**Meat**
2015	1 050	1 420	2 940	1 980
216	1 800	1 900	2 630	2 480
2017	2 440	2 590	1 856	3 098
2018	2 908	3 170	1 575	3 250

Source: *Hypothetical*

/4

Table 1.2: Hypothetical Population data for country H

Age Group	Country H	
	Males	Females
0 – 4	8.7	8.5
5 – 9	7.4	7.2
10 – 14	6.4	6.2
15 – 19	5.4	5.3
20 – 24	4.4	4.3
25 – 29	3.7	3.6
30 – 34	3.0	3.0
35 – 39	2.5	2.5
40 – 44	2.1	2.1
45 – 49	1.8	1.8
50 – 54	1.4	1.5
55 – 59	1.1	1.2
60 – 64	0.9	0.9
65 – 69	0.6	0.7
70 – 74	0.4	0.5
75 – 79	0.2	0.3
80 +	0.2	0.2

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

QUESTION 2

Using examples, discuss the challenges posed by rapid urbanisation in cities of the global South such as Manzini.   **(30 Marks)**

QUESTION 3

Explain how socio-economic activities change with population density.   **(30 Marks)**

QUESTION 4

Using examples, discuss global environmental problems.   **(30 Marks)**

QUESTION 5

    a) Define global warming.   (5 marks)

    b) Using examples, discuss how diseases are linked to global warming.   (25 marks)

                                                                 (30 Marks)

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