UNIVERISTY OF SWAZILAND

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

SUPPLEMENTARY EXAMINATION, JULY 2015

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

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: 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: Graph paper

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

GEP 121: INTRODUCTION TO THE HUMAN ENVIRONMENT - JULY 2015

SECTION A: TECHNIQUES AND SKILLS   (40 MARKS)
COMPULSORY

QUESTION 1

a) With the aid of examples, explain four scales of measurement which are used in Geography.
           (10 marks)

b) Using an appropriate graphical technique portray the hypothetical data shown in table 1 below.   (10 marks)

c) Calculate the age-sex labour force participation rates for country Z in 2014 for both males and females in Table 2 below.   (14 marks)

d) Outline the assumptions of the gravity model   (6 marks)

           (40 Marks)

Table 1: The development of country Y's population since 1904 according to census years

Census Year	Total Swazi Population
1904	85 530
1911	107 540
1921	112 300
1931	160 350
1946	185 250
1956	235 450
1966	390 950
1976	510 850
1986	710 360
1996	1 150 050
2006	1 220 990

Source: *Hypothetical*

Table 2:   Age-sex specific labour force participation rates for country Z in 2014

Age	Population (mid-2013)		In the labour force		Labour force participation rate (%)	
	Male	Female	Male	Female	Male	Female
(1)	(2)	(3)	(4)	(5)	(6)	(7)
15 – 19	873,182	844,082	556,399	527,592		
20 – 24	848,532	833,133	771,774	666,404		
25 – 34	2,464,796	2,466,737	2,272,282	952,649		
35 – 44	2,226,456	2,194,687	2,141,724	890,541		
45 – 54	983,492	948,145	892,566	603,447		
55 – 64	914,507	920,842	643,985	364,085		
65 & over	893,327	1,153,393	83,596	49,619		

Source: *Hypothetical*

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

QUESTION 2

a) Differentiate between renewable and non-renewable resources.   (6 marks)

b) Using examples, explain the dilemma of stock resources.   (24 marks)
                                                                    (30 Marks)

QUESTION 3

Explain how socio-economic activities change with population density.   **(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 rapid urbanisation.   (20 marks)
                                                                    (30 Marks)