

**UNIVERSITY OF ESWATINI
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING
FINAL EXAMINATION, MAY/JUNE 2019**

B.A., B.Ed., B.Sc., BASS, JMC3 (FT)

TITLE OF PAPER: INTRODUCTION TO THE HUMAN ENVIRONMENT

COURSE NUMBER: GEP112

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

GEP112: INTRODUCTION TO THE HUMAN ENVIRONMENT – MAY/JUNE 2019
















SECTION A: TECHNIQUES AND SKILLS (40 MARKS)

COMPULSORY

QUESTION 1

- a) List the four scales or levels of measurement. (2 marks)
- b) Define the following terms;
- i) Primate city (1 mark)
 - ii) Topology (1 mark)
 - iii) Infant mortality. (1 mark)
- c) Distinguish between the following terms;
- i) Dependent variable and independent variable (2 marks)
 - ii) Natural increase and net migration. (2 marks)
- d) Given that the population of Eswatini was about 1.42 million people in 2018 with a growth rate of 1.26%, using an appropriate equation, estimate the population for years 2025 and 2030. (4 marks)
- e) With reference to Table 1: Economic data for the Southern African Development Community;
- i) Draw a bar graph to show the GDP per capita for the following **Eight** countries within the SADC region; *Botswana, Lesotho, Mauritius, Namibia, Eswatini, South Africa, Tanzania, and Zambia*. (10 marks)
 - ii) Using data for the eight countries as in i) above; *Botswana, Lesotho, Mauritius, Namibia, Eswatini, South Africa, Tanzania, and Zambia*, draw a Lorenz curve to show the distribution of GDP per capita within these countries of the SADC region. (*Make sure that you show all your working tables*). (14 marks)
 - iii) Comment about the equality on GDP per capita among the listed SADC states. (3 marks)
- (40 Marks)**

Table 1: Economic data for the Southern African Development Community

Country	Population	GDP	GDP per capita	HDI	Debt	Debt (%GDP)	Deficit (%GDP)
 Angola	29,784,193	122,124M.\$	4,100\$	0.581	76,118	79.82%	-4.80%
 Botswana	2,291,661	17,407M.\$	7,596\$	0.717	2,448	15.48%	-1.12%
 DRC	81,339,988	37,643M.\$	463\$	0.457	6,600	16.78%	-1.01%
 Lesotho	2,233,339	2,578M.\$	1,154\$	0.520	864	35.36%	-6.35%
 Madagascar	25,570,895	11,500M.\$	450\$	0.519	3,839	38.38%	-1.31%
 Malawi	18,622,104	6,303M.\$	338\$	0.477	2,978	60.28%	-7.32%
 Mauritius	1,264,613	13,266M.\$	10,490\$	0.790	7,474	60.12%	-3.59%
 Mozambique	29,668,834	12,646M.\$	426\$	0.437	13,390	118.76%	-6.24%
 Namibia	2,369,000	13,254M.\$	5,595\$	0.647	4,908	44.83%	-9.11%
 Seychelles	95,843	1,498M.\$	15,630\$	0.797	986	68.99%	0.21%
 South Africa	56,522,000	348,872M.\$	6,172\$	0.699	152,508	51.57%	-4.06%
 Eswatini	1,367,254	4,434M.\$	3,243\$	0.588	967	24.77%	-10.36%
 Tanzania	57,310,019	52,090M.\$	909\$	0.538	18,096	37.97%	-2.18%
 Zambia	17,094,130	25,868M.\$	1,513\$	0.588	12,708	60.67%	-5.80%
 Zimbabwe	16,529,904	22,041M.\$	1,333\$	0.535	8,346	51.93%	-0.99%
~TOTAL: SADC	342,063,777	691,523M.\$	2,022\$		312,229	46.06%	

Source: <https://countryeconomy.com/countries/groups/southern-african-development-community>

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

QUESTION 2

Using examples, discuss environmental and health effects associated with waste disposal.
(30 Marks)

QUESTION 3

Using examples, discuss the advantages and disadvantages of a youthful population in a country.
(30 Marks)

QUESTION 4

Using examples, discuss the politics of aging.
(30 Marks)

QUESTION 5

- a) Differentiate between global and local environmental problems. **(8 marks)**
- b) Using examples from any country of your choice, discuss local environmental problems.
(10 marks)
- c) Explain how population and technology constrain economic development in developing countries.
(12 marks)
(30 Marks)