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UNIVERISTY OF SWAZILAND

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

SUPPLEMENTARY EXAMINATION, JULY 2016

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

TITLE OF PAPER: INTRODUCTION TO THE HUMAN ENVIRONEMNT

COURSE NUMBER: GEP 112 / 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

GEP 112 / 121: INTRODUCTION TO THE HUMAN ENVIRONMENT - JULY 2016

SECTION A: TECHNIQUES AND SKILLS   (40 MARKS)
COMPULSORY

QUESTION 1

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

b) Compute the Age-sex specific labour force participation rates for country Z in 2015 in Table 2 below.   (14 marks)

c) Using the information in Figure 1, identify and calculate the attraction power of towns in the Lubombo district of Swaziland assuming that the average distance separating all the towns is 32 km.   (16 marks)
                                                                                    (40 Marks)

Table 1: Average annual cotton fabric production by region between 1985 – 1989 and 2007 - 2011

Country	Average Production in tonnes in 1985-1989	Average Production in tonnes in 1985-1989
America	1 381	1 324
Asia/ Oceania	5 566	15 728
Africa	241	260
Europe	2 391	701

Source: UNCTAD computations from ICAC statistics (2011)

Table 2: Age-sex specific labour force participation rates for country Z in 2015

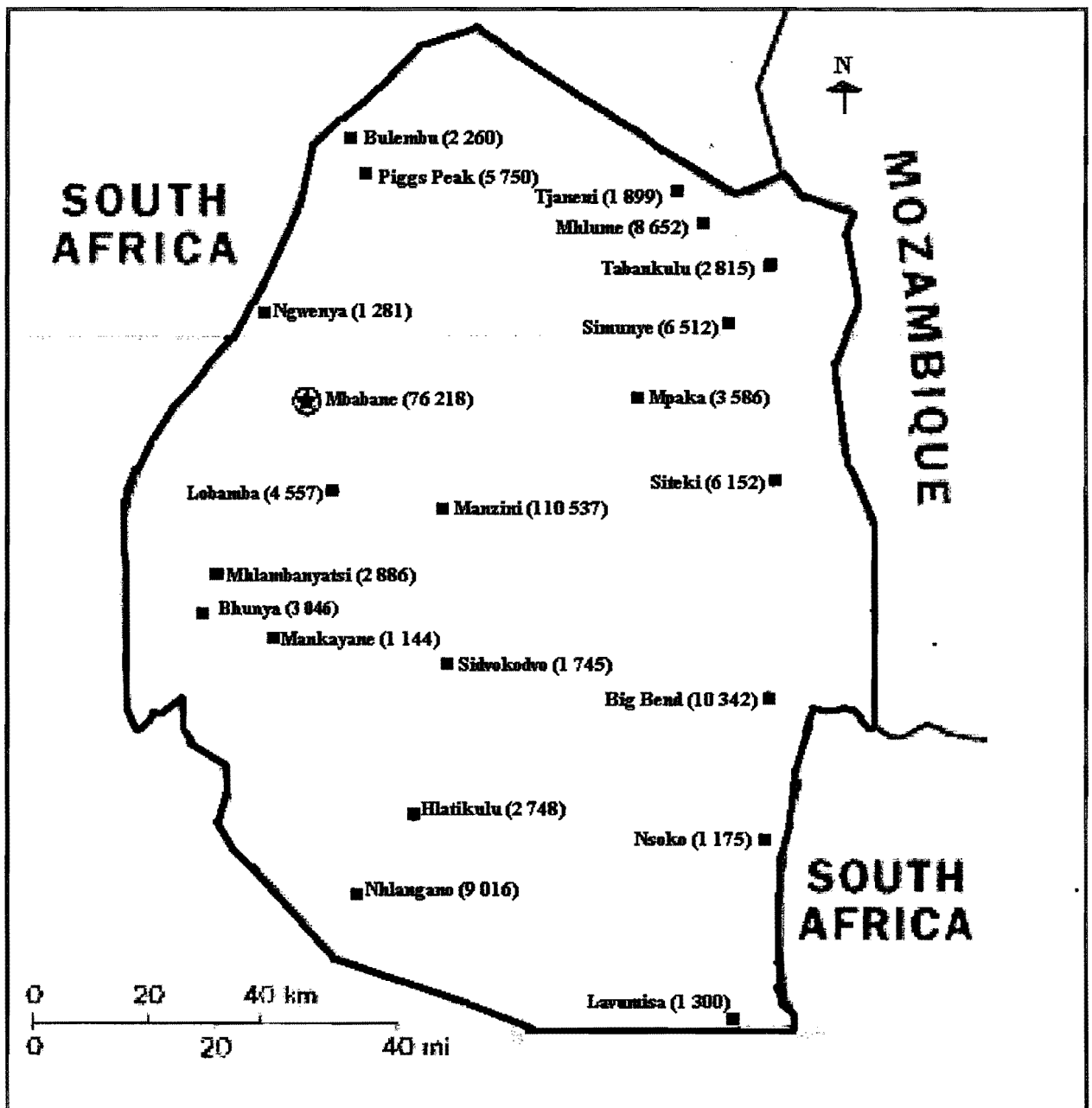| Age	Population (mid-2014)		In the labour force		Labour force participation rate (%)	
	Male	Female	Male	Female	Male	Female
(1)	(2)	(3)	(4)	(5)	(6)	(7)
15 – 19	893,192	844,382	656,399	627,592		
20 – 24	878,552	843,133	871,774	766,404		
25 – 34	2,664,896	2,666,937	2,372,282	982,849		
35 – 44	2,426,656	2,294,687	2,241,724	890,841		
45 – 54	993,592	968,245	892,766	603,747		
55 – 64	954,607	970,842	673,985	394,085		
65 & over	893,827	1,253,493	93,596	59,619		

Source: Hypothetical

Figure 1: Urban Settlements and Population in Swaziland
Source: Swaziland Census Report (2007)

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

QUESTION 2
Explain how human beings modify and replace the natural environment.   **(30 Marks)**

QUESTION 3
Using any resource as an example, illustrate the importance of environmental ethics in Human Geography.   **(30 Marks)**

QUESTION 4
a) Distinguish between pervasive and intensive hazards.   (5 marks)
b) Using examples, describe the types of extreme environmental events.   (25 marks)
          (30 Marks)

QUESTION 5
Using examples, explain how spatial diffusion occurs over time.   **(30 Marks)**