

UNIVERSITY OF SWAZILAND



MAIN EXAMINATION PAPER 2017/2018

TITLE OF PAPER : DEMOGRAPHY OF SWAZILAND

COURSE CODE : DEM 312

TIME ALLOWED : TWO (2) HOURS

INSTRUCTION : ANSWER QUESTION 1 AND ANY OTHER 2.

REQUIREMENT : SCIENTIFIC CALCULATOR

Question 1

Using the data presented below, complete the table

Year	Total	Population		Absolute Population Increase	Doubling Time	Growth Rate	Sex Ratio
		Male	Female				
1904	85,491	37,471	48,020	-			78.0
1911	99,239	44,085	g	13,748		0.0213	m
1921	104,961	48,422	56,539	5,722	i	0.0056	85.6
1936	147,154	66,534	80,620	42,193		k	82.5
1946	c	d	95,138	32,166		0.0198	n
1956	228,783	106,052	122,731	49,463		0.0244	86.4
1966	374,697	178,891	195,806	145,914		0.0493	91.4
1976	494,534	231,861	262,673	h		0.0277	88.3
a	681,059	321,579	359,480	186,525		l	89.5
b	929,718	440,154	489,564	248,659		0.0283	89.9
2007	1,018,449	481,428	537,021	88,731	j	0.0091	o
2017	1,093,238	e	f	74,789		0.0071	94.5

[30 marks]

Question 2

The table below shows the area size in square kilometres (sq.km) and population of the four regions in Swaziland obtained from the 2007 census and 2012 inter-census.

Table 1: Area size and population in four regions of Swaziland 2007-2012

Region	Area size (sq. km)	Total Population	Population (15-64 years)
Hhohho	3619.37	320,651	195,058
Manzini	4107.85	355,945	222,452
Shiselweni	3784.46	204,111	111,971
Lubombo	5838.30	212,531	121,770

- Calculate the percentage population distribution of each region. [2 marks]
- Calculate the population density of each region. [4 marks]
- Calculate the dependency ratios for each region. [4 marks]
- Comment on the results obtained above and highlight its implications for the demography and economic development of Swaziland. [5 marks]

[15 marks]

Question 3

- a. Briefly describe the following:
 - a. Crude birth rate (DBR) [2 marks]
 - b. Total fertility rate (TFR) [2 marks]
 - c. General fertility rate (GFR) [2 marks]
 - d. Gross reproduction rate (GRR) [2 marks]
 - e. Net reproduction rate (NRR) [2 marks]
 - b. Why is understanding fertility dynamics important in Swaziland [5 marks]
- TOTAL [15 marks]**

Question 4

- c. Briefly describe the following:
 - a. Infant mortality [1.5 marks]
 - b. Child mortality [1.5 marks]
 - c. Maternal mortality [1.5 marks]
 - d. Neonatal mortality [1.5 marks]
 - d. Discuss the factors that have contributed to the spread of HIV in Swaziland and suggest practical ways of reducing the spread of the pandemic. [9 marks]
- TOTAL [15 marks]**