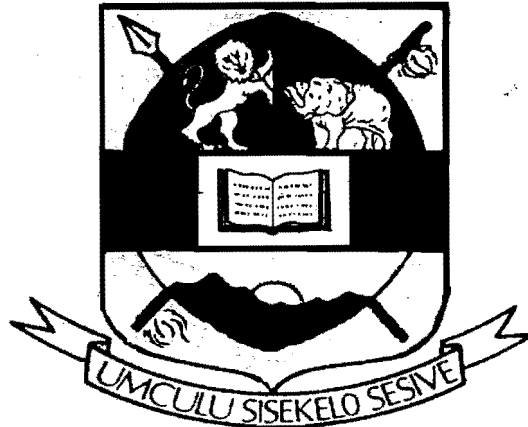


UNIVERSITY OF SWAZILAND



RE-SIT EXAMINATION PAPER 2018

TITLE OF PAPER : POPULATION DYNAMICS II

COURSE CODE : DEM 216

TIME ALLOWED : TWO (2) HOURS

INSTRUCTION : ANSWER QUESTION 1 AND ANY TWO QUESTIONS.

Question 1 [Compulsory]

Using the data below, calculate and interpret:

- a. Crude Birth Rate [3 marks]
 - b. The General Fertility Rate [3 marks]
 - c. Age-Specific Fertility Rate for each age group. [12 marks]
 - d. Total Fertility Rate [3 marks]
 - e. Gross Reproduction Rate [4 marks]
 - f. Net Reproduction Rate [5 marks]
- TOTAL [30 marks]**

Age Group	Total Population	Sex Ratio	Number of births to women in age group	Sex Ratio at birth	Proportion of female babies surviving to midpoint of age interval
15-19	120,168	102.94	2546	104.70	0.9837
20-24	106,516	96.39	5619	104.72	0.98128
25-29	96,739	92.75	5701	104.71	0.97871
30-34	86,370	95.31	4046	104.70	0.97524
35-39	66,981	99.72	1388	104.71	0.96953
40-44	49,696	96.68	210	104.72	0.95995
45-49	41,278	86.91	11	104.70	0.95208

Question 2

Describe the Epidemiological Transition Framework noting its rationale, stages and criticisms [15 marks]

Question 3

Discuss the proximate determinants of fertility and how they can contribute to our understanding of fertility dynamics in Swaziland. [15 marks]

Question 4

What is meant by urbanization and what are its undesirable effects on the demography and economic development of Swaziland. [15 marks]