

UNIVERSITY OF SWAZILAND
DEPARTMENT OF STATISTICS & DEMOGRAPHY
FINAL EXAMINATION, 2014
BASS

TITLE OF PAPER: INTRODUCTION TO POPULATION DYNAMICS

COURSE CODE: DEM 201

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS:

- 1. ANSWER QUESTION 1 AND ANY THREE (3) QUESTIONS**
- 2. WHERE APPROPRIATE, USE EMPIRICAL EVIDENCE**

MARKS ALLOCATION: ALL QUESTIONS CARRY 20 MARKS

SPECIAL REQUIREMENTS: NONE

THIS QUESTION PAPER SHOULD NOT BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR.

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Question: 1 (Compulsory)

- a) The scientific study of population is believed to have started around the 1600s by scholars such as John Graunt and William Petty. Discuss briefly the works of John Graunt about the city of London.

8 Marks

- b) The following fertility measures have short comings (flaws). Discuss how.

- i) General Fertility Rate
- ii) Age Specific Fertility Rate
- iii) Age Specific Mortality Rate

12 Marks

Question: 2

Marriage as an institution within which fertility occurs has become less important in contemporary time. Discuss the statement with reference to fertility trends, patterns and levels in Swaziland in the era of HIV and AIDS.

20 Marks

Question: 3

Recent fertility and mortality trends in both developed and developing countries indicate that the Demographic Transition Theory has become outdated and useless as a predictive model. Discuss.

20 Marks

Question: 4

Using any five (5) factors discuss the impact of migration on both origin and destination areas

20 Marks

Question: 5

In the estimation of net migration using the Balancing Equation many challenges face Developing countries. Discuss this with reference to Swaziland

20 Marks

Question: 6

Discuss the computational procedures in the estimation of net migration using the Census (Life Table) Survival Ratio Method, pointing out the assumptions associated with the method

20 Marks