

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER 2005-03-01

COURSE TITLE: COLLECTION AND ASSESSMENT OF
DEMOGRAPHIC DATA

COUSE CODE: DEM 203

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER QUESTION 1 AND ANY
OTHER TWO QUESTIONS

SPECIAL REQUIREMENTS: CALCULATOR

Question 1

Using the attached population table of Ghana 1984 calculate:

- a) the Digit Preference Index [10]
 b) the Myers Index [10]

QUESTION 2

a) List the Three major sources of Demographic data and any three non-traditional sources. [6]

b) Distinguish between coverage and content errors [8]

c) What are internal and external consistency checks in the evaluation of Demographic data [6]

Question 3

a) Give the formulae for the following:

U.N. Age Ratio

U.N. Joint Score Index

U.N. Five Point Smoothing Formula

Ramachandran Age Ratio [12]

b) Explain how the Whipples Index is computed [8]

Question 4

a) Age reporting tends to differ by age and sex. Discuss [10]

b) Discuss the use and limitations of Censuses [10]

Question 5

a) What are the advantages of using a sample survey in the collection of Demographic data [12]

b) Discuss the Quadratic Interpolation Method (Newton's Halving Formula) [8]

POPULATION OF GHANA 1984

DIGIT	10-19	20-29	30-39	40-49	50-59	60-69	10-59	20-69	10-69
0	188801	142023	136241	96500	79396	63302	642961	517462	706263
1	115176	81261	40385	23133	17196	8333	277151	170308	285484
2	190396	97078	84163	52998	33161	15594	457796	282994	473390
3	135373	71481	38831	27442	16927	8907	290054	163588	298961
4	145076	92147	52062	25969	26575	11604	341829	208357	353433
5	157714	118513	96661	94793	36053	36522	503734	382542	540256
6	137661	82397	57983	30616	26807	7490	335464	205293	342954
7	102437	81995	39741	23999	13647	7988	261819	167370	269807
8	146944	94780	54478	43084	19766	12457	359052	224565	371509
9	91843	55900	33490	24727	10811	6049	216771	130977	222820