

**UNIVERSITY OF SWAZILAND**  
**DEPARTMENT OF STATISTICS & DEMOGRAPHY**  
**FINAL EXAMINATION, 2011**  
**BASS**

**TITLE OF PAPER: RESEARCH TECHNIQUES IN DEMOGRAPHY**

**COURSE CODE: DEM 305**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY THREE (3) QUESTIONS**

**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.**

## DEM- 305 FINAL EXAMINATION MAY-2011

### Question: 1

- a) Discuss the Inductive and Deductive approaches in research, use examples to illustrate your answer. **15 points**
- b) Give a definition of research. **5 points**

### Question 2

You are tasked with investigating the relationship between fertility patterns of females aged between 15 and 49 years, and the number of sexual relations they have had, and duration of these relationships.

- a) Which type of research do you think would best suit such an investigation? Inductive or Deductive approach? **2 points**
- b) Write a brief Introduction (not more than a page) to a research proposal for such an investigation. **10 points**
- c) What is the difference between a Conceptual Framework and Literature Review? **4 points**
- d) Limits of Research and Data Limitations. Are these different? Explain your answer. **4 points**

### Question: 3

- a) What is a spurious association or relationship? Present a fictitious example. **4 points**
- b) Define a hypothesis, and discuss its function and importance in research. **10 points**

- c) Causal relationships (Cause and effect) exist if four conditions are met. List the four conditions. **6 points**

**Question: 4**

Define the following:

- A) Objectives
- B) Rationale
- C) Hypothesis (es)
- D) Conceptual Framework
- E) Literature Review
- F) Limits of Research
- G) Data Limitations

**20 points**

**Question: 5**

- a) Explain what footnotes are and how they differ from references (in text). **8 points**
- b) How does a Rationale differ from a set of objectives in research? **8 points**
- c) What are data limitations? Present an example. **4 points**