

**UNIVERSITY OF SWAZILAND**  
**DEPARTMENT OF STATISTICS & DEMOGRAPHY**  
**FINAL EXAMINATION, 2013**  
**BASS**

**TITLE OF PAPER: INTRODUCTION TO POPULATION DYNAMICS**

**COURSE CODE: DEM 201**

**TIME ALLOWED: TWO (3) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**

**MARKS ALLOCATION: ALL QUESTIONS CARRY 25 MARKS EACH**

**SPECIAL REQUIREMENTS: NONE**

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

## **DEM 201 FINAL EXAMINATION 2013**

### **Question: 1**

Discuss the role of marriage institutions, religion, and the family in influencing fertility trends in Developing countries. Show how these institutions have changed over time resulting in their changing influence on fertility.

**25 Marks**

### **Question: 2**

Mortality has been influenced by economic development and technology, the family and sex both in the past and in contemporary times. Discuss

**25 Marks**

### **Question: 3**

Census Survival Ratios can be used in the estimation of net migration. Explain fully how this can be done including all assumptions associated with both the forward and backward methods

**25 Marks**

### **Question: 4**

Migration may have an impact on both origin and destination areas. Discuss the Economic and Demographic impact of migration on the origin and destination areas, for example, remittances; agriculture; development; employment; age and sex structure, fertility and mortality.

**25 Marks**

### **Question: 5**

Rapid urbanization in developing countries has become prioritized due its detrimental effects on other socioeconomic spheres of populations. Discuss why Governments need to intervene in the urbanization scenario and show how they may intervene to reduce the impact of urbanization.

**25 Marks**

### **Question: 6**

- a) Discuss using examples why the
  - i) General Fertility Rate
  - ii) Age Specific Fertility Rate (or TFR)
  - iii) Life Expectancy at Birth are not good fertility or mortality measures
- b) Discuss the definition problems associated with migration: Migration; Migrant; Migration Interval; Lifetime Migrant

**12 Marks**

**13 Marks**