



**ZIMBABWE EZEKIEL GUTI UNIVERSITY**

---

**FACULTY OF HUMANITIES, EDUCATION AND SOCIAL SCIENCES**

---

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

**EXAMINATION PAPER**

**Bachelor of Science (Hons) in Development Studies: Part 4 Semester 1**

**COURSE CODE** : ADS 403  
**COURSE TITLE** : Issues and Trends in Demographic Studies  
**DURATION** : 3 Hours  
**DATE** : 15 FEB 2022

**INSTRUCTIONS TO CANDIDATES:**

1. Answer question **ONE** and any other **TWO** questions.
2. Each question carries 25 Marks.
3. Start each question on a new page of your answer sheet.
4. Use relevant examples or case studies in answering your questions

1. A survey was conducted in town "X" in November 2021. It revealed a total mid-year population of 400 000 (190 000 males and 210 000 females). Total number of children born alive during the previous year was 20 000. The survey has also recorded 6 000 deaths (3 200 males and 2 800 females) during the same year. The survey has also identified the following deaths among the population:

- Children < 1 month = 400
- Children 1 month - 11 months = 1600
- Children 1 year - 4 years = 2 000
- Children 5 - 4 years = 800
- Females 15 - 49 years = 700
- Persons 50 years and above = 1000
- Death of mothers during pregnancy and child birth = 100

(a) Using the information provided above calculate:

- |        |   |     |
|--------|---|-----|
| (i)    | Crude Birth Rate                        | [2] |
| (ii)   | Crude Death Rate                        | [2] |
| (iii)  | General Fertility Rate                  | [2] |
| (iv)   | Infant Mortality Rate                   | [2] |
| (v)    | Neonatal Morality Rate                  | [2] |
| (vi)   | Under five morality Rate                | [2] |
| (vii)  | Sex Specific Mortality Rate for Females | [2] |
| (viii) | Maternal Mortality Rate                 | [2] |
| (ix)   | Total Fertility Rate                    | [2] |
| (x)    | Gross Reproductive Rate                 | [2] |

(b) Explain the importance of the calculations in (a) above to a development practitioner. [5]

2. Discuss the significance of Boserup's Theory on population in helping the understanding on COVID-19. [25]

3. Using examples, discuss the role of human trafficking within the determinants of mortality dynamics in relation to development. [25]

4. (a) Using well-annotated diagram, explain the stages of the Demographic Transition Model (DTM). [20]

(b) Provide its significance to a development practitioner. [5]

5. You have been requested to participate in a population census for Zimbabwe for 2022. Make an analysis of the information required for the provision of a comprehensive population census for the country. [25]

**THE END**