



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 : 31 MAR 2021

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 "Y" in November 2020. It revealed a total mid- year population of 389 000 (196 500 males and 192 500 females). Total number of children born alive during the previous year was 16 400. The survey has also recorded 5 835 deaths (3 200 males and 2 635 females) during the same year. The survey has also identified the following deaths among the population:

- Children < 1 month = 370
- Children 1 month - 11 months = 1100
- Children 1 year – 4 years = 1865
- Children 5 – 4 years = 800
- Persons 15 – 49 years = 700
- Persons 50 years and above = 1000
- Death of mothers during pregnancy and child birth = 130

(a) Using the information provided above calculate:

- | | |
|--|-----|
| a. Crude Birth Rate | [2] |
| b. Crude Death Rate | [2] |
| c. General Fertility Rate | [2] |
| d. Infant Mortality Rate | [2] |
| e. Neonatal Morality Rate | [2] |
| f. Under five morality Rate | [2] |
| g. Sex Specific Mortality Rate for Females | [2] |
| h. Maternal Mortality Rate | [2] |
| i. Total Fertility Rate | [2] |
| j. Gross Reproductive Rate | [2] |

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

2. Discuss the significance of Malthus's Theory on population in helping the understanding of COVID-19. [25]
3. Discuss the socio-cultural determinants of mortality changes in relation to development. [25]
4. With reference to a country you have studied, examine the implications of its anti-natalist policy to development. [25]

5. (a) Using well-annotated diagram, describe and explain the demographic transition model. [20]
- (b) Provide its significance to a development practitioner. [5]

THE END