



ZIMBABWE EZEKIEL GUTI UNIVERSITY

**FACULTY OF HUMANITIES, HERITAGE AND SOCIETAL
ADVANCEMENT**

DEPARTMENT OF DEVELOPMENT, PROGRAMMING AND MANAGEMENT

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 : 11.7 OCT 2023

INSTRUCTIONS TO CANDIDATES:

1. Answer question **ONE** and any other **TWO** questions only.
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 "K" in February 2023. It revealed a total mid- year population of 1 000 000 (480 000 males and 520 000 females). Total number of children born alive during the previous year was 80 000. The survey has also recorded 40 000 deaths (22000 males and 18000 females) during the same year. The survey has also identified the following deaths among the population:

- Children < 1 month = 4000
- Children 1 month - 11 months =16000
- Children 1 year – 4 years = 12 000
- Children 5 – 4 years = 8000
- Females 15 – 49 years = 7000
- Persons 50 years and above = 10000
- Death of mothers during pregnancy and child birth =1000

(a) Using the information provided above calculate:

(i) Crude Birth Rate [2]

(ii) Age Specific Fertility Rate [2]

(iii) General Fertility Rate [2]

(iv) Infant Mortality Rate [2]

(v) Crude Death Rate [2]

(b) Explain the other calculations that can be done using the same survey [8]

(c) Discuss the significance of the calculations in (a) and (b) above to a development practitioner. [7]

2. Demographic data is very important in any country. Examine the different demographic sources of data as used in Zimbabwe. [25]

3. Analyze the view that, 'COVID-19 and the recent Earthquake of Turkey and Syria are events to justify the validity of Malthus' theory of population dynamics.' [25]

4. Justify the assertion that, 'the Demographic Transition Model (DTM) is a unique diagram solely for providing population characteristics in space and time.' [25]

5. With reference to a country you have studied, discuss how it is managing to ensure its population policy is adhered to. [25]

THE END

0/4 (pm)