



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE ENVIRONMENTAL SCIENCE

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

ENS 237: HUMAN POPULATION AND ENVIRONMENT

DATE: 26/3/2021

TIME: 2.00-4.00 PM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Indirect methods of data collection are fundamental in demographic data acquisition in the developing world. Justify this statement. (5 marks)
- b) Describe the term 'Demographic Transition' as applied in the study of human population. (5 marks)
- c) Discuss the social effects of Youth Bulge Phenomenon in Kenya. (10 marks)
- d) With the aid of a diagram, explain the logistic population growth model (10 marks)

QUESTION TWO (20 MARKS)

Discuss five human related activities that cause environmental degradation in Kenya.

QUESTION THREE (20 MARKS)

Discuss human birth rate as an issue of concern for Kenyan Government.

QUESTION FOUR (20 MARKS)

Discuss the differences between density-dependent and density independent factors that influence population dynamics.

QUESTION FIVE (20 MARKS)

- a) Describe common rates and ratios that are applied in demographic studies. (10 marks)
- b) Discuss the factors that affect human geographic mobility. (10 marks)