



MACHAKOS UNIVERSITY

University Examinations For 2018/2019 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

BACHELOR OF ENVIRONMENTAL SCIENCE

ENS 237: HUMAN POPULATION AND ENVIRONMENT

DATE: 2/5/2019

TIME: 8:30 – 10:30 AM

INSTRUCTIONS: Answer question ONE and any other TWO

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Explain the social effects of the Youth Bulge Phenomenon in Kenya (5 marks)
- b) Discuss the term 'Demographic Transition' as applied in the study of human population (5 marks)
- c) With the aid of a diagram, explain the logistic population growth model (10 marks)
- d) As a demographer working with Machakos County Government, describe four types of random sampling methods that you could use to study the human population in the County (10 marks)

QUESTION TWO (20 MARKS)

Discuss human population related activities that cause environmental degradation in Kenya

QUESTION THREE (20 MARKS)

- a) Using illustrations, describe three types of human population pyramids (6 marks)
- b) Discuss factors that affect human geographic mobility (14 marks)

QUESTION FOUR (20 MARKS)

Discuss why human birth rate is an issue of concern for world governments (20 marks)

QUESTION FIVE (20 MARKS)

Discuss how density-dependent and density-independent factors influence population dynamics.