



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FOURTH YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR
BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

ECD 415: POVERTY, ECOSYSTEMS AND HUMAN WELLBEING

DATE: 19/01/2021

TIME: 2.00-4.00 PM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain the following terms:
- i. Millennium Ecosystem Assessment (2 marks)
 - ii. Eco-development (2 marks)
 - iii. Integrated Environmental Assessment (2 marks)
 - iv. Horizontal integration (2 marks)
 - v. Provisioning services (2 marks)
- b) Compare and contrast Frontier Economics and Deep ecology (10 marks)
- c) Explain the five components of human wellbeing. (10 marks)

QUESTION TWO (20 MARKS)

Discuss direct and indirect drivers of change and their impact on the Mau ecosystem

QUESTION THREE (20 MARKS)

Poverty is directly related to how environmental resources are used or shared. Discuss this statement in relation to land resources.

QUESTION FOUR (20 MARKS)

Citing relevant examples, discuss the categories of ecosystem boundaries.

QUESTION FIVE (20 MARKS)

Discuss the factors to be considered in prioritizing an assessment of a wetland ecosystem.