



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FIRST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

ENS 134: TECHNOLOGY DEVELOPMENT AND ENVIRONMENT

DATE: 21/1/2021

TIME: 2.00-4.00 PM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE: (30 MARKS)

- a) Explain the term Technology (2 marks)
- b) Identify some of the green technologies that are in use in Kenya today (10 marks)
- c) Give a description of the relationship between technology development and environment conservation (8 marks)
- d) Discuss the impacts of technology development on the Kenyan environment and recommend the best possible solutions (10 marks)

QUESTION TWO (20 MARKS)

Citing local examples differentiate modern and indigenous technologies that are in use in Kenya today in light of environmental conservation

QUESTION THREE (20 MARKS)

Discuss the various ways in which technology can improve the quality of the Kenyan environment

QUESTION FOUR (20 MARKS)

Discuss the significance of appropriate technology in addressing the impacts of Climate change in Kenya

QUESTION FIVE (20 MARKS)

Explain some of the environmental challenges caused by technological advancement globally and give their corresponding mitigating factors