



# 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

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## INSTRUCTIONS;

Answer question ONE and any other TWO questions

### QUESTION ONE: (30 MARKS)

- Explain the term Technology (2 marks)
- Identify some of the green technologies that are in use in Kenya today (10 marks)
- Give a description of the relationship between technology development and environment conservation (8 marks)
- 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