



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

SECOND YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE MANAGEMENT)

ERC 214: INTRODUCTION TO MINERAL RESOURCES CONSERVATION

DATE:

TIME:

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Discuss **FIVE** ways in which mineral resources support your County's development (10 marks)
- b) Explain the need for having a mineral resources management policy in a country (10 marks)
- c) Highlight **FIVE** ways of conserving mineral resources in an area (10 marks)

QUESTION TWO (20 MARKS)

Discuss the rationale for ensuring proper rehabilitation is undertaken in areas where mineral resources development activities have ceased

QUESTION THREE (20 MARKS)

Discuss strategies to ensure sustainable conservation of mineral resources in your County and indicate the challenges you are likely to face

QUESTION FOUR (20 MARKS)

Discuss any **FIVE** strategies you would institute to mitigate the adverse environmental impacts of coal mining in an area

QUESTION FIVE (20 MARKS)

Discuss how to ensure effective monitoring of mining operation in an area