



MACHAKOS UNIVERSITY

University Examinations For 2018/2019 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

SECOND YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

ERC 214: INTRODUCTION TO MINERAL RESOURCES CONSERVATION

DATE: 30/4/2019

TIME: 8:30 -10:30 AM

INSTRUCTIONS: Answer question ONE and TWO other questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Discuss **FIVE** ways in which minerals support the development of an area. (10 marks)
- b) Explain why it is important to deal with the adverse impacts associated with mining operations and activities (10 marks)
- c) Discuss why it is important to involve various stakeholders in the management of minerals in a given area (10 marks)

QUESTION TWO (20 MARKS)

Discuss the various factors to consider in deciding whether a mining site should be rehabilitated or closed down completely

QUESTION THREE (20 MARKS)

Suppose you have been appointed to be in charge of mineral development in your County, discuss the various strategies you would put in place to ensure sustainable management of minerals in the County and indicate the challenges you are likely to face

QUESTION FOUR (20 MARKS)

Discuss any **FIVE** appropriate strategies you would put in place to deal with the adverse environmental impacts of oil mining in Turkana County

QUESTION FIVE (20 MARKS)

Discuss the need for and ways of instituting an effective monitoring program to ensure proper mining activities are undertaken at a site