



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

UNIVERSITY EXAMINATIONS 2015/2016

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL CONSERVATION MANAGEMENT

SECOND SEMESTER EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE

ERC 214: INTRODUCTION TO MINERAL RESOURCES AND CONSERVATION

Date: 21/4/2016

Time: 8.30-10.30 AM

INSTRUCTIONS

This paper consists of FIVE questions

Answer question one and other two questions in this paper

Question 1

- a) Explain the following terminologies
- i. Mineral (1 marks)
 - ii. resource (1 marks)
 - iii. Conservation (1 marks)
- b) Explain six (6) importance of mineral resources development in Kenya (12 marks)
- c) Explain five (5) types of mineral in Kenya, indicate their distribution and use (15 marks)

Question 2

Discuss the methods and ways of minimizing mineral depletion in Kenya (20 marks)

Question 3

Discuss the role of mining in sustainable development of Africa (20 marks)

Question 4

Using a case study of Shamva Mining Centre (Zimbabwe), a small-scale mining project in Africa, discuss the following:

- a) Its Objectives (5 marks)
- b) Achievements/impacts (5 marks)
- c) Lessons learnt (5 marks)
- d) Opportunities for improvement (5 marks)

Question 5

Explain the guidelines for rational use and conservation of raw minerals in Africa (20 marks)