

TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Applied & Health Sciences

Department of Environment & Health Sciences

University Examination for the Degree of Bachelor of Science in Marine
Resource Management

BSMR 13S/YEAR 3/SEMESTER 2

Code: AES 4312: Marine living and non-living resource management

SEMESTER EXAMINATION

SERIES: MAY/2016

TIME: 2HRS

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions

This paper consists of two printed pages

EXAM

AES 4312: MARINE NON-LIVING AND LIVING RESOURCE MANAGEMENT Paper 2

QUESTION ONE (30 MARKS)

- a) What is the conveyor belt principle in plate tectonics?
- b) Differentiate between the two scientific theories on the formation of the earth
- c) Briefly describe the process of oil and gas exploration
- d) Briefly explain the term 'resource curse'?
- e) Define the following terms 'prospecting and exploration'
- f) List the basic factors that a mining company takes into consideration before it can start mining or exploitation of an ore body/deposits

QUESTION TWO (20 MARKS)

Describe the process involved in mineral exploration

QUESTION THREE (20 MARKS)

Explain the potential risks associated with the development of the oil and gas sector in Kenya?

QUESTION FOUR (20 MARKS)

Discuss the significance of deep sea mining as a potential source of metals

QUESTION FIVE (20 MARKS)

Using a schematic diagram describe the main types of plate boundaries?