

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF EDUCATION  
(PRIMARY OPTION)

PNAR 231: NATURAL RESOURCES MANAGEMENT

STREAMS:

TIME: 2 HOURS

DAY/DATE: TUESDAY 14/08/2018

8.30 A.M - 10.30 A.M.

INSTRUCTIONS

- Answer ALL questions in Section I and ANY TWO Questions from Section II.
- Do not write anything on the Question Paper

**SECTION I**

- (a) Briefly explain concept of environment [3 Marks]
  - (b) Differentiate between biological and social environments. [2 Marks]
  - (c) Explain any five ways humankind can interfere with biological environment. [5 Marks]
  
- (a) Explain briefly differences between biotic and abiotic resources. [4 Marks]
  - (b) Describe briefly classification of resources based on their stage of development. [6 Marks]
  
- (a) Describe briefly four resources obtained from forests [4 Marks]
  - (b) Describe any two uses of each of the following minerals; coal, gold and aluminum [6 Marks]
  
- (a) Identify any five industrial minerals mined in Kenya and for each state the location where it is produced [5 Marks]

(b) Briefly explain how government has ensured sustainability of mining in Kenya

[5 Marks]

**SECTION II**

5. Describe types and formation of marine resources. [15 Marks]

6. Discuss characteristics of renewable resources [15 Marks]

7. Discuss effects of deforestation in Kenya [15 Marks]

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