



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2017/2018
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE (ENVIRONMENTAL HEALTH)

HEH 311:GEOMEDICINE

DATE: Monday , 5th February 2018 TIME: 4.30 p.m - 6.30 p.m

INSTRUCTIONS:

SECTION A: Answer ALL questions(20marks)

1. Citing relevant examples, define the following:
 - a) Geomedine (2marks)
 - b) Trace elements (2marks)
 - c) Geophagists (2marks)
2. Explain the environmental health implications of the East-Africa Rift Valley (8marks)
3. Explain the connections between water hardness and health have Give evident in this regard. (6marks)

SECTION B: Answer question Seven (7) and any other TWO (50marks)

4. Using a hypothetical dose-response, discuss explain the three major categories of trace elements. (15marks)
5. Citing relevant examples, discuss both human and natural processes that alter the elements concentrations in the environment. (15marks)

6. Discuss the Epidemiology of Dental Fluorosis with special reference to the Kenyan Rift -Valley. (15marks)
7. Contemplate on iodine deficiency disorders and elaborate various mechanisms that can be curb community deficiencies. (20marks)
8. Citing relevant examples, discuss the utility of balneotherapy in curative and preventative medicine. (15marks)