



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS AND BACHELOR OF EDUCATION

AGE 102: PHYSICAL GEOGRAPHY I

DATE: TUESDAY , 3RD APRIL 2012

TIME: 11.00 A.M – 1.00 P.M

INSTRUCTIONS:

Answer any **THRE** Questions at least **ONE** from each section. Illustrations should be used where appropriate

SECTION A- LITHOSPHERE

1. Describe the earth's internal structure and explain its relationship to any one endogenic process
[$23\frac{1}{3}$ marks]
2. Describe Wegner's theory of Continental drift
[$23\frac{1}{3}$ marks]
3. Using examples, explain the formation and significance of rocks on the earth's surface.
[$23\frac{1}{3}$ marks]

SECTION B – ATMOSPHERE

4. Describe the instrumentation of any TWO weather elements.
[$23\frac{1}{3}$ marks]
5. Account for the thermal structure of the atmosphere.
[$23\frac{1}{3}$ marks]
6. Explain the role of the following constituents of the atmosphere
 - (i) Ozone gas
[$6\frac{1}{3}$ marks]
 - (ii) Dust particles and pollen grains
[6 marks]
 - (iii) Water vapour
[5 marks]
 - (iv) Green house gases
[6 marks]