

NATIONAL UNIVERSITY OF LESOTHO

BA & B.ED. SUPPLEMENTARY EXAMINATIONS

HG231: ADVANCED PHYSICAL ENVIRONMENTAL

JULY 2009

MARKS:100

TIME:3HRS

INSTRUCTIONS: Answer FOUR (4) questions. Where possible illustrate your answer with equations/diagrams

1. Describe the theory of plate tectonics [25]
2. Describe Volcanism and its environmental impact. [25]
3. Describe the formation and classification of sedimentary rocks. [25]
4. Describe the weathering process. Illustrate your description with three examples from the physical weathering process. [25]
5. Describe soil structure and show its importance in crop production. [25]
6. (a) Draw a soil profile showing the five Master soil horizon [5]
(b) Describe the soil forming processes operating in each of the horizons. [20]