



UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF
B.SC. (ECOTOURISM & HOSPITALITY MANAGEMENT)**

NARE 201: INTRODUCTION TO GEOLOGY OF EAST AFRICA

STREAM: B.SC (ECOTOURISM & HOSP.MGT) Y2S1 TIME: 2 HOURS

DAY/DATE: THURSDAY 29/7/2010

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- ANSWER THREE QUESTIONS.
- QUESTION A IS COMPULSORY. ANSWER ANY TWO QUESTIONS IN SECTION B.
- USE DIAGRAMS TO ILLUSTRATE YOUR ANSWER WHERE APPROPRIATE.

SECTION A:

1. Explain the concept of plate tectonics. [6 marks]
2. Using examples, show that continental drifting occurred in the past and continues to occur. [10 marks]
3. Define the term geology and describe the geology of East Africa. [10 marks]
4. Describe the distribution of rocks in East Africa. [4 marks]

SECTION B:

5. Describe the following:
 - (i) Plateau landscapes of East Africa. [5 marks]
 - (ii) Faulting in East Africa. [5 marks]

- (iii) Volcanicity in East Africa. [5 marks]
 - (iv) Coastal landscapes in East Africa. [5 marks]

 - 6. (a) Discuss the factors influencing the amount and distribution of rainfall in East Africa. [10 marks]
 - (b) Describe the local rainfall variation in East Africa. [10 marks]

 - 7. (a) Briefly describe the relationship between the East African Rift system and plate tectonics. [6 marks]
 - (b) Discuss the East African Rift System and how it was formed. [8 marks]
 - (c) Explain why it is important to study the East African geology. [6 marks]
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