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CHUKA



UNIVERSITY

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**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF MASTER OF ARTS (GEOGRAPHY)**

**GEOG 823: AGRICULTURAL SYSTEMS AND RURAL LAND USE**

**STREAMS: MA (GEOG)**

**TIME: 3 HOURS**

**DAY/DATE: FRIDAY 07/12/2018**

**8.30 A.M. – 11.30 A.M.**

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**INSTRUCTIONS: Answer any four questions**

1. Apart from agriculture discuss the other major land uses in Kenya [15 marks]
  2. Examine the criteria used by Rice and Vandermeer (1990) in the classification of agricultural systems [15 marks]
  3. (a) Define the concept green revolution [3 marks]  
(b) Examine the role of the green revolution in food security [12 marks]
  4. Examine the relevance of Von Thunen's model of rural land use in the contemporary world [15 marks]
  5. Discuss the environmental impacts of modern agricultural technologies [15 marks]
  6. Explain the major impacts of climate change and variability on agricultural systems of the world [15 marks]
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