



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
SECOND SEMESTER EXAMINATION FOR MASTER OF ARTS
MAG 530: ORIGIN AND DEVELOPMENT OF CLIMATOLOGY

DATE: Monday 26th March, 2012

TIME: 2.00 p.m. – 5.00 p.m.

INSTRUCTIONS

Answer FOUR questions. Use illustrations where appropriate.

1. Trace the emergence of climatology as an important discipline in Geography.
2. Clearly distinguish between climatology and meteorology.
3. Provide a detailed description of the vertical stratification of the atmosphere based on its thermal and chemical properties.
4. Write concise notes on the following atmospheric processes:
 - i) Evaporation and humidity
 - ii) Condensation and precipitation
 - iii) Atmospheric stability and instability
5. Explain the similarities and differences between the tropical climates of Africa and Asia.
6. Critically examine the implications of climate change for an agricultural based economy like Kenya's.

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