

EMBU UNIVERSITY COLLEGE

(A Constituent College of the University of Nairobi)

2015/2016 ACADEMIC YEAR

SECOND SEMESTER EXAMINATION

SECOND YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (BIOLOGY)

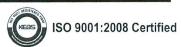
SGP 204/SGP 215: ENVIRONMENT AND DEVELOPMENT IN AFRICA

DATE: APRIL 8, 2016

TIME: 02:00-04:00PM

INSTRUCTIONS: Answer any ten (10) questions (7 marks each)

- 1. Elucidate the uncertainties that may be associated with the effects of climate change on human environment in Africa in the energy and agriculture sectors.
- 2. Explain how tsetse flies have influenced food production, natural-resource utilization and pattern of human settlement in sub-Saharan Africa.
- 3. Explain any two ecological factors that affect development in Africa.
- 4. Briefly discuss the two causes of desertification in Africa.
- 5. Discuss the social-economic and political-economic factors associated with human settlement and deforestation in Africa.
- 6. Outline seven measures identified by the Economic Commission for Africa in 1989 as being of high priority in addressing food production problem in Africa.
- 7. Briefly discuss any two problems associated with urban environment and development in Africa.
- 8. Distinguish between the Alpine and the Fynbos biomes of the African continent.
- 9. Briefly discuss any two approaches that have been used to measure the consequences of climate change on human environment in Africa.



- 10. Outline seven measures African governments should undertake to improve the health and well-being of people.
- 11. Describe any two resultants of the shallow mantle convection as a consequence of Afar plume eruption.
- 12. Enumerate any seven (7) measures African governments should take to improve environmental conditions and reduce industrial and domestic waste.

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