



**EMBU UNIVERSITY COLLEGE**  
**(A Constituent College of the University of Nairobi)**

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**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**

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

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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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