Q4. Mid- term Exam.

Write an essay about the socio-economic importance of the savanna climate to the African people and what are its major problems? Give 4 examples from peer reviewed articles.

- The majority of the African people live in the zone of the savanna climate which receives an annual 40 inches of rain during the summer time.
- Most of the Africans are farmers practicing subsistence farming, which means they cultivate food crops to feed their families.
- They also keep large number of animals moving with them from one place to another seeking water and grass for their animals.
- Because it is rich of grasses it is also rich of domestic and wild animals.
- Domestic animals enhance food security, while wild animals enhance eco-tourism.
- However, this climatic zone suffers from high rainfall variability which negatively affects agricultural production.
- The savanna climate suffers from these problems:
- 1- The high rain variability which enhanced by climate change.
- 2 Low agricultural productivity
- 3- Starvation and famine.
- 4- Drought.
- 5- Desertification.

References

- Armah, F.A., Odoi, J. O., Yengoh, G. T., Obiri, S., Yawson, D. O. and Afrifa, E. K. A.2011. Food Security and Climate Change in Drought-sensitive Savanna Zones of Ghana. *Mitigation and Adaptation Strategies for Global Change*, 16(3): 291-306.
- Ayanlade, A., Odekunle, T.O. and Orimoogunje, O. O. I. 2010. Impacts of Climate Variability on Tuber Crops in Guinea Savanna Part of Nigeria: A GIS Approach. *Journal of Geography and Geology*, 2(1): 28-35.
- Callo-Concha, D., Gaiser, T., Webber, H., Tischbein, B., Müller, M. and Ewert, F. 2013. Farming in the West African Sudan Savanna: Insights in the Context of Climate Change. *African Journal of Agricultural Research* 8 (38): 4693–4705.
- Eriksen, S. and Silva, J. A. 2009. The Vulnerability Context of a Savanna Area in Mozambique: Household Drought Coping Strategies and Responses to Economic Change. *Environmental Science & Policy*, 12(1): 33-52.

- Gbadegesin, A., and Olorunfemi, F. (2011). Socio-Economic Aspects of Fuel Wood Business in the Forest and Savanna Zones of Nigeria: Implications for Forest Sustainability and Adaptation to Climate Change. *Global Journal of Human Social Science Research*, 11 (1): 45-56.
- Odion, E.C., Asiribo, O.E., Ogunlela, V.B., Singh, B.B., and Tarawali, S.A. 2007. Strategies to Improve and Sustain Food Production Capacity in the Savanna: The Role of Leguminous Fodder Crops in Maintaining Soil Fertility and Health. *Journal of Food, Agriculture & Environment*. 5(2): 338-344
- Teketay, D. 2001. Deforestation, Wood Famine, and Environmental Degradation in Ethiopia's Highland Ecosystems: Urgent Need for Action. *Northeast African Studies*, 8(1): 53–76.