



"Investing in Africa's Future"

College of Health, Agriculture and Natural Sciences

NACP 216: ECOLOGY

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER 2021

LECTURER: MR. MTAITA T. A.

DURATION: 5 HRS

INSTRUCTIONS

1. Download the examination paper and work offline
2. Answer One Question Only
3. Upload your response on Moodle in PDF format within the allowed time

Question One

- a. The climate crisis is accelerating at an unprecedented rate, and we are not ready for it. While the crisis has many factors that play a role in its exacerbation, there are some that warrant more attention than others. With the aid of realistic examples, discuss at least 10 of the biggest environmental problems of our generation and analyse different approaches for betterment. **[40]**
- b. Analyse the major and minor agencies of pollution and suggest practical solutions for betterment. **[30]**
- c. Discuss why agriculture has repeatedly been identified as one of the largest contributors to the loss of biodiversity world-wide. **[30]**

Question Two

- a. Ecological refugees are common in most ecosystems worldwide. Analyse the realistic causes and strategies to minimize the challenge. **[30]**
- b. Discuss the impact of agricultural practices on biodiversity. **[30]**
- c. Analyse why biodiversity is an essential part of ecological well-being. **[40]**

Question Three

- a. Analyse why agricultural activities have significant implications to wild species of flora and fauna. **[30]**
- b. The problem of veld fires has reached alarming proportions and it is time for humans to take appropriate measures to arrest the situation. Discuss! **[30]**
- c. Examine issues that threaten biodiversity and provide practical considerations for improvement. **[40]**

End of Exam Paper