"Investing in Africa's future"

COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

NACP 408: AGROFORESTRY

END OF SECOND SEMESTER FINAL EXAMINATIONS

MAY 2021

LECTURER: MR. MTAITA T. A.

DURATION: 7 HOURS

INSTRUCTIONS

1. Answer one question only
2. Download the examination and work offline
3. Upload your response in PDF form

Question One

a). What is agroforestry? **[5]**

b). Discuss the competitive and allelopathic types of interactions recognized between trees and crops in agroforestry systems. **[15]**

c). Examine the steps followed in developing an agroforestry plan. **[30]**

d). Analyze the potential and limitations of Agroforestry. **[20]**

d) Discuss the socio-economic factors affecting the adoption potential of improved tree fallows in Africa. **[30]**

Question two

a) Write an essay on the characteristics of agroforestry practices. **[10]**

b) With the aid of realistic examples, examine the three major and two minor types of agroforestry systems. **[50]**

c) Analyse the desirable characteristics of an agroforestry tree species. **[20]**

d) Discuss the different aspects in which agroforestry holds viable potentials to meet the demands of ever- growing human and livestock populations. **[20]**

Question Three

a) Discuss the advantages and disadvantages of agroforestry. **[30]**

b) What are the best multipurpose trees for agroforestry? **[10]**

c) Examine the reasons for integrating tree growing with livestock production.

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d) Based on the different types of agroforestry, examine the role of trees in agroforestry. **[20]**

e) Analyze the factors to consider when selecting tree species for agroforestry. **[20]**

f) Discuss how agroforestry helps to conserve biodiversity. **[10]**

End of Examination Paper