"Investing in Africa's Future"

(College of health, Agriculture and Natural Sciences)

Paper One

NACP 308: Agroforestry

END OF SECOND SEMESTER EXAMINATIONS

APRIL/MAY 2024

LECTURER: (Mr. Mtaita T A)

INSTRUCTION

*Chose and answer **Four** Questions Only*

DURATION: (3 HRS)

Question One

    a) Analyze the desirable characteristics that should be taken into consideration while selecting tree species for agroforestry. **[10]**

    b) Analyze the social, environmental and economic benefits of agroforestry **[15]**

Question Two

    a) What is 'Agroforestry'? **[4]**

    b) Critically analyze seven (7) desired steps in developing an Agroforestry Plan **[21]**

Question Three

a). Analyze any five (5) characteristics of the agricultural crops for agroforestry. **[10]**

b). Assess the different aspects in which agroforestry hold viable potentials to

meet the demands of ever- growing human and livestock population. **[15]**

Question Four

    a) Discuss the ten factors to be considered before planting indigenous trees in agroforestry [15]

    b) Unpack the benefits of planting indigenous trees [10]

Question Five

    a) Analyze the idea of apiculture in agroforestry **[5]**
    b) Discuss the promises of Artificial Intelligence (AI) in agroforestry **[20]**

Question Six

    a) Analyse the two major functions of all agroforestry systems **[5]**
    b) Examine the five [5] major constraints of agroforestry **[5]**
    c) Explore the various benefits of Multipurpose tree species **[15]**

Question Seven

a) Unpack the five differences between agroforestry and annual crop systems **[5]**

b) Analyse the three major and two minor agroforestry systems. **[20]**