



*“Investing in Africa’s future”*  
**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL  
SCIENCES**

**NACP 308: AGROFORESTRY**

**END OF SECOND SEMESTER FINAL EXAMINATIONS**

**APRIL 2022**

**LECTURER: MR. MTAITA T. A.**

**DURATION: 3 HOURS**

---

**INSTRUCTION**

**Choose and Answer Four Questions**

### **Question One**

- a) Analyze the disadvantages of Agroforestry. [5]
- b) What are the most common uses of trees in agroforestry systems? [5]
- c) Explain the functions of wind breaks and shelter belts. [5]
- d) Discuss the factors to consider when selecting trees for agroforestry systems. [10]

### **Question Two**

- a) How does agroforestry help to conserve biodiversity? [10]
- b) Examine the tree propagation methods. [5]
- c) Discuss the factors to consider when siting a tree nursery. [10]

### **Question Three**

- a) Ascertain the major benefits of agroforestry. [10]
- b) Discuss the Socioeconomic factors affecting the adoption potential of agroforestry in Africa and suggest some practical remedies. [15]

### **Question Four**

- a) What are the key features of the Diagnosis & Design Methodology? [5]
- b) Assess the role of agroforestry in climate change adaptation and mitigation [20]

### **Question Five**

- a) Discuss the concept of component interaction in agroforestry. [10]
- b) Examine the basic procedures of Diagnosis & Design Methodology. [15]

### **Question six**

With the aid of diagrams and relevant examples, explain the of the following agroforestry practices:

- (a) Protein banks [5]
- (b) Alley cropping [5]
- (c) Improved fallows [5]
- (d) Taungya [5]
- (e) Home gardens [5]

**End of Examination Paper**