



***“Investing in Africa’s future”***

**COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES**

**NACP 407: FIELD CROP PRODUCTION**

**END OF FIRST SEMESTER FINAL EXAMINATIONS**

**NOVEMBER/ DECEMBER 2022**

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

**DURATION: 3 HOURS**

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**INSTRUCTION**

**CHOOSE AND ANSWER FOUR QUESTIONS**

### **Question one**

- a) Examine the management practices for cassava production. [10]
- b) Discuss the causes and consequences of field crop failures. [15]

### **Question two**

- a) Why are farmers encouraged to grow cereals? [5]
- b) Analyze the factors to consider when introducing a field crop in an area that it has never been grown before. [20]

### **Question Three**

- a) Unpack the classification methods in field crops. [10]
- b) Examine Production management guidelines for the different maize growth stages. [15]

### **Question Four**

Using potato as an example, present a detailed discussion of how high tuber quality is achieved by following appropriate practices in the growth-to-harvest cycle of the plant. [25]

### **Question Five**

- a) Examine the four factors usually considered when determining cane quality. [5]
- b) Analyze critically the factors affecting field crop production and suggest some measures for betterment. [20]

### **Question six**

Write detailed notes on field crop classification restricting your write up to:

- I. Botanic classification [4]
- II. Agronomic classification [3]
- III. Special purpose classification [3]
- IV. Classification according to life span [3]
- V. Classification according to root depth [3]
- VI. Classification according to growth habit [3]
- VII. Classification according to carbon fixation [3]
- VIII. Classification according to mode of pollination [3]

**END OF EXAMINATION PAPER**