



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

Paper One

COURSE TITLE: NACP 407: FIELD CROP PRODUCTION

END OF FIRST SEMESTER EXAMINATIONS

DATE: NOVEMBER/DECEMBER 2023

LECTURER: Mr. MTAITA T A.

DURATION: 3HRS

INSTRUCTION

Answer four questions

Question one

- a) Examine the five requirements to improve productivity and profitability of field crops. [10]
- b) Discuss the four important issues related to precision field crop production. [15]

Question Two

- a) Analyse the importance of legumes in agriculture science. [5]
- b) Discuss the critical factors to be considered for selection of field crops. [20]

Question Three

- a) Discuss the potential of root and tuber crops in the developing countries. [10]
- b). Examine the negative factors influencing field crop production and suggest some practical solutions. [15]

Question Four

- a) With reasons, suggest approaches to be executed by field crop producers who are anticipating normal to below normal rain season. [10]
- b) Deliberate on the cultural practices in sugar cane production. [15]

Question Five

- a) Discuss the causes and consequences of field crop failure. [10]
- a) Synthesize the critical practices in wheat production. [15]

Question Six

- a) Examine why cereals are preferred than other field crops in the tropics. [10]
- b) Analyze the maize production management guidelines based on its growth stages. [15]