

Uganda Martyrs University
FACULTY OF EDUCATION
SEMESTER TWO EXAMINATIONS 2022/23
DIPLOMA IN EDUCATION (PRIMARY) YEAR ONE
AGRICULTURE EDUCATION
PAPER ONE: PRINCIPLES OF CROP PROTECTION



20th MAY 2023

Time: 09:30 AM –12:30 PM

Instructions:

- **Read the instructions on the answer booklets carefully.**
 - **Attempt four (4) questions**
 - **Answer any 2 questions from each section**
 - **Each question carries 25 marks**
 - **Write the answer to each question on a fresh page in your answer booklet**
 - **Write in blue/ black ink**

SECTION A: PROPER MANAGEMENT OF AGRONOMIC PRACTICES

- 1.(a) Discuss the benefits of crop rotation to a vegetable farmer in Nkozi sub - county
(10 marks)
(b) Explain the factors a farmer takes into consideration when designing a crop rotation activity.
(15 marks)
2. (a) What are the advantages of disease and pest control in crop production . (15 marks)
(b) Explain why it is useful the recommended spacing when planting groundnuts. (10 marks)
3. (a) Using your experience as a teacher of agriculture why would you advise farmers to practice timely planting as a strategy of pest and disease control. (15 marks)
(b) Briefly explain the factors a farmer should take into consideration when using organic mulches.
(10 marks)
4. (a) Discuss the advantages of row planting over broadcasting methods of planting crops.
(15 marks)
(b) Explain why you would advise farmers to stake crops like tomatoes. (10 marks)

SECTION B: LAND DRAINAGE AND IRRIGATION

- 5.(a) Explain the advantages of using sprinkler irrigation over other types of irrigation. (10 marks)
(b) Why is it necessary to remove excess water from land?
(15 marks)
6. (a) Give reasons why you carry out land reclamation. (10 marks)
(b) Explain the problems you are likely to face when using the different methods of reclaiming land. (15 marks)
- 7.(a) Explain the advantages of basin irrigation to a farmer. (15 marks)

(b) Explain the disadvantages of basin irrigation. **(10 marks)**

8. (a) Explain the reasons why farmers/ learners in mountainous areas are advised to plant their crops on ridges and in rows. **(15 marks)**

(b) Explain how furrow irrigation is carried out and give the disadvantages of furrow irrigation. **(10 marks)**