



UGANDA MARTYRS UNIVERSITY
FACULTY OF EDUCATION
DIPLOMA IN EDUCATION (PRIMARY) YEAR TWO
AGRICULTURE EDUCATION
SEMESTER TWO EXAMINATION 2023/2024

AE 2201 FARM MACHINERY, EQUIPMENT AND TOOLS AND FARM STRUCTURES

DATE: 22.5.2024

TIME: 9:30AM-12:30 PM

Instructions:

- Read the instructions carefully.
- Answer any four (4) questions only
- Answer at least one question from each of the sections a, b and c
- All questions carry equal marks
- Write the answer to each question on a fresh page in your answer booklet.
- Write in blue/ black ink.

SECTION A: FARM MACHINERY

1 (a) Give reasons as to why mechanization is not used on a bigger scale by farmers.
(10 marks)

b) Explain steps that should be taken to promote mechanization (15 marks)

2 a) Explain ways through which a tractor has improved farming. (15 marks)

b) Describe at least 5 parts of a tractor that need daily servicing (10 marks)

SECTION B: FARM EQUIPMENT AND TOOLS

3 a) Explain why farmers have persisted in continuously using hand tools. (15 marks)

b) Explain the factors that influence the performance / output of farm equipment and tools.
(10 marks)

4a) Explain five (5) differences between a mould board plough and a disc plough (15 marks)

b) Describe the care and maintenance of the disc plough. (10 marks)

SECTION C: FARM STRUCTURES

5a) Explain the different uses of a fence to a farmer. (15 marks)

b) Explain five (5) disadvantages of a live fence. (10 marks)

- 6a) Explain why it is important to have buildings on the farm. (15 marks)
- b) Explain five (5) factors determining the design of a farm building (10 marks)
- 7a) Explain how animals in a spray race can be managed to ensure effective spraying. (15 marks)
- b) Explain the advantages of using a spray race. (10 marks)

END