

**UGANDA MATRYRS UNIVERSITY  
FACULTY OF EDUCATION  
FINAL EXAMINATION**

**BACHELOR OF EDUCATION (PRIMARY) YEAR 1 (2010/2011)  
AGRICULTURE EDUCATION**

**DATE: 30<sup>th</sup> August, 2011**

**Time: 2.00 p.m – 5.00 p.m**

**INSTRUCTIONS:**

- *Do not write on this Question paper*
- *Attempt FOUR questions, at least ONE from each section.*
- *All questions carry equal marks.*

**SECTION A: INTRODUCTION TO AGRICULTURAL EDUCATION AND SOIL SCIENCE**

1. It is a common saying that Agriculture is the backbone of Uganda's economy. To what extent is this statement true? (25 marks).
2. a) Enumerate the millennium development goals (10 marks).  
b) Explain how the teaching of agriculture can help realize the millennium development goals (15).

**SECTION B: SOIL AND WATER ENGINEERING AND SOIL FERTILITY**

3. a) Soil may be described as young or mature. Explain the implication of these terms (10 marks).  
b) Using diagrams where appropriate, explain how a soil catena can affect vegetation type.
4. a) How is soil classified? (15 marks).  
b) How is soil classification important to the initial establishment of a farm? (10 marks).

**SECTION C: AGRONOMY, CROP PHYSIOLOGY AND CROP IMPROVEMENT**

5. a) Describe the different types of irrigation (15 marks)  
b) Explain the relevance of irrigation in Uganda today (10).
6. Examine the good farming practices that can help in soil and water conservation in a subsistence farming system (25 marks).

### **SECTION D: CROP PROTECTION**

7. What is integrated pest management? Give the advantages and shortcomings of integrated pest management (25 marks).
8. a) Explain why weeds tend to be more successful than crops (15 marks).  
b) How can evasive weeds be eradicated? (10 marks).

**GOOD LUCK**