

Uganda Martyrs University

FACULTY OF EDUCATION

BACHELOR OF EDUCATION (PRIMARY) YEAR ONE

SEMESTER ONE EXAMINATIONS, 2022/23

AGRICULTURE EDUCATION

PAPER ONE: INTRODUCTION TO AGRICULTURE EDUCATION AND SOIL SCIENCE

DATE: Wed 11/01/2023

3hrs

Time: 2:00 PM-5:00 PM

Instructions:

- Do not write anything on this question paper.
 - Answer Four questions choosing two Questions from each of the sections A and B.
 - Begin each selected question on a new page in the answer booklet.
 - Follow instructions on this question paper and answer booklet carefully.
 - Each question carries a total of 25 marks
-

SECTION A: INTRODUCTION TO AGRICULTURE EDUCATION

1. a) Both formal and informal agricultural education is important in the shaping of a future farmer. Give reasons to justify the teaching of agriculture in schools. (15 marks)
b) On farm occupation are very specialised areas of agricultural production. Outline the different enterprises involved. (10 marks)
2. a) Explain the contribution of agriculture to economic development of your country. (10 marks)
b) Discuss the indicators of agricultural development. (15 marks)
3. a) Explain what the developing countries can do to accelerate agricultural development. (15 marks)
b) Outline the various professional occupations available in the agricultural sector. (10 marks)
4. a) Many developing countries depend heavily on agriculture for economic development and national growth. As a Teacher of Agriculture give reasons for the negative attitude towards agriculture in schools. (15 marks)
b) Describe the different types of on- farm occupations practiced on average farm. (10 marks)

SECTION B: SOIL SCIENCE

5. a) Define soil and water conservation.(02 marks)
b) State the roles of soil and water conservation in sustainable agriculture production. (05 marks)
c) Describe the cultural methods of soil and water conservation showing how they are able to conserve soil and water in the garden. (18 marks)
6. a) Define soil fertility. (02 marks)
b) Explain the factors that contribute to soil fertility.(15 marks)
c) List the sources of organic matter, (08 marks)
7. a) Define soil erosion. (02 marks)
b) Explain the factors that affect water erosion. (10 marks)
c) Outline the cultural practices that promote soil and water conservation. (13 marks)
8. a) Describe the procedure of soil sampling.(20 marks)
b) Give reasons for sampling soil. (05 marks)

END