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AGRICULTURE P
RINCIPLES &
PRACTICES
Paper 1
Sept 2023
1
2 4 hours



KINGS WAY HIGH SCHOOL-KITENDE

Lower Secondary Certificate of Education

PRINCIPLES & PRACTICES OF AGRICULTURE

END OF YEAR ASSESSMENT 2023

Paper 1

2 HRS: 15 MIN

NAME _____ STREAM _____

INSTRUCTIONS

- The paper consists of two sections, section A and B.
- Attempt all questions in section A and any three questions in section B

FOR EXAMINER'S USE ONLY

QUESTIONS ATTEMPTED	MARKS	EXAMINER'S COMMENT
TOTAL MARK		

SECTION A (Do all questions in this section)

- 1 In 2013 Health statistics for the survey carried out in the country showed that people in the areas of Greater Bushenyi in the districts of Mitooma, Buhweju, Rubirizi and Sheema were Malnourished. Then the government through the Ministry of health in conjunction with the Ministry of Education and Sports came up with a nutrition program which was meant to teach both the community and school going children on how to improve health within a period of 5 years as a contract. People were taught through project based learning where vegetables projects were conducted through both children and their parents. Demonstration gardens at each community school became successful in the period of 5 years of contract. However after the contract the system got diminished and the community resorted to their traditional feeding claiming how the projects were hard to start and sustain once started.

TASK: As an agriculturalist prepare a detailed report about the project. (10marks)

- 2 With reference to a large scale commercial mixed farm where you happen to be a farm manager involved in the management of hundreds of heads of cattle for production of lots of litres of Milk on a daily basis from cows that calve per year, own a two acres of coffee, and much more of animal and crop husbandry.

Task As a student who studied farm management design strategy for the management of your projects. (10marks)

SECTION B (Do only three questions in this section)

- 3 The population of Uganda is growing at a very fast rate. This has forced many people to rear livestock as a source of food to feed the increasing population. The available pastures face a high stocking rate and grazing pressure due to large numbers of livestock per household. The pasture land subsequently gets eroded and produces poor pastures overtime.
- (a) As a student of agriculture, identify any six qualities of a good pasture material. (6 marks)

(b) Explain the different ways how the natural pastures can be improved. (8 marks)

(c) Describe any 6 limitations of establishing a ley pasture. (6 marks)

4 With reference to a large scale commercial dairy farm project where you happen to be a farm manager involved in the management of hundreds of herds of cattle for production of lots of litres of Milk on a daily basis from cows that calve per year.

(a) Describe the records you could keep as a professional farm manager for smooth running of the project. (10marks)

(b) How do you think these records can be important to the farm? (10 marks)

5 Cereals are widely grown in most parts of the country. Among the Luo speaking people, its millet and sorghum that they grow most. People in western part of the country mainly grow millet. Different crops are widely distributed in different parts of the country due to different factors such as climate, edaphic, biotic and plant genetic factors.

(a) As an agriculturalist give reasons why cereal growing is widely distributed in Uganda. (8 marks)

(b) Explain any four climatic and any four soil factors that affect crop growth and yield in Uganda. (8 marks)

(c) State four limitations of cereal growing. (4 marks)

6 During an experiment to determine the presence of water in the soil in a certain soil sample. The following materials were used;

a. An evaporating dish.

b. Fresh soil

c. Weighing scale

d. Source of heat

(a) Use the above information to prepare a detailed presentation in an Agriculture seminar held in your school. (10 marks)

- (b) State five ways in which soil microorganisms are important in the soil. (5 marks)
- (c) Describe the different ways in which soil organic matter is important in the soil (5 marks)

7 Your Area Member of Parliament has organized an Agriculture Expo (exhibition) for Agriculture produce dealers which your mother is one of them. In the event all dealers are expected to present their produce for an offer to an overall presenter who will be offered a tender to supply their produce to all government schools in your District.

- (a) Advise your Mother on how best she can do to join and win the offer during the exhibition. (10 marks)
- (b) Explain 5 qualities of a good entrepreneur. (5 marks)
- (c) Identify the different activities involved in marketing agricultural produce. (5 marks)