

NAME:.....STREAM.....



KAMSSA LOWER SECONDARY LEVEL EXAMINATIONS
PRINCIPLES AND PRACTICES OF AGRICULTURE
SENIOR ONE
END OF YEAR 2022
2 Hours

INSTRUCTION:

Answer all the questions in section A in the spaces provided and any one from section B

1. As a senior one student who study agriculture, use concrete examples to explain the term agriculture. (3 marks)

.....

.....

.....

.....

.....

2. State four area of study that shows that Agriculture is a science subject. (4 marks)

.....

.....

.....

.....

.....

3. As an upcoming agriculturalist, explain to the farmers two ways by which the sector is contributing to the national development. (2 marks)

.....

.....

.....

4. List four types of chemical weather in the soil formation process (2 marks)

.....

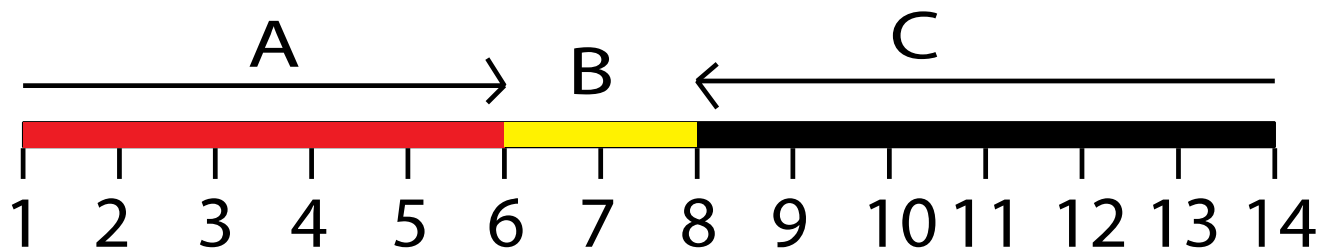
.....

.....

.....

.....

5. The diagram below shows a PH chart, study it carefully and answer the questions that follows



- (a) A student carried out an experiment on different soil samples using the above diagram. What was the purpose of the experiment? (1 mark)

.....

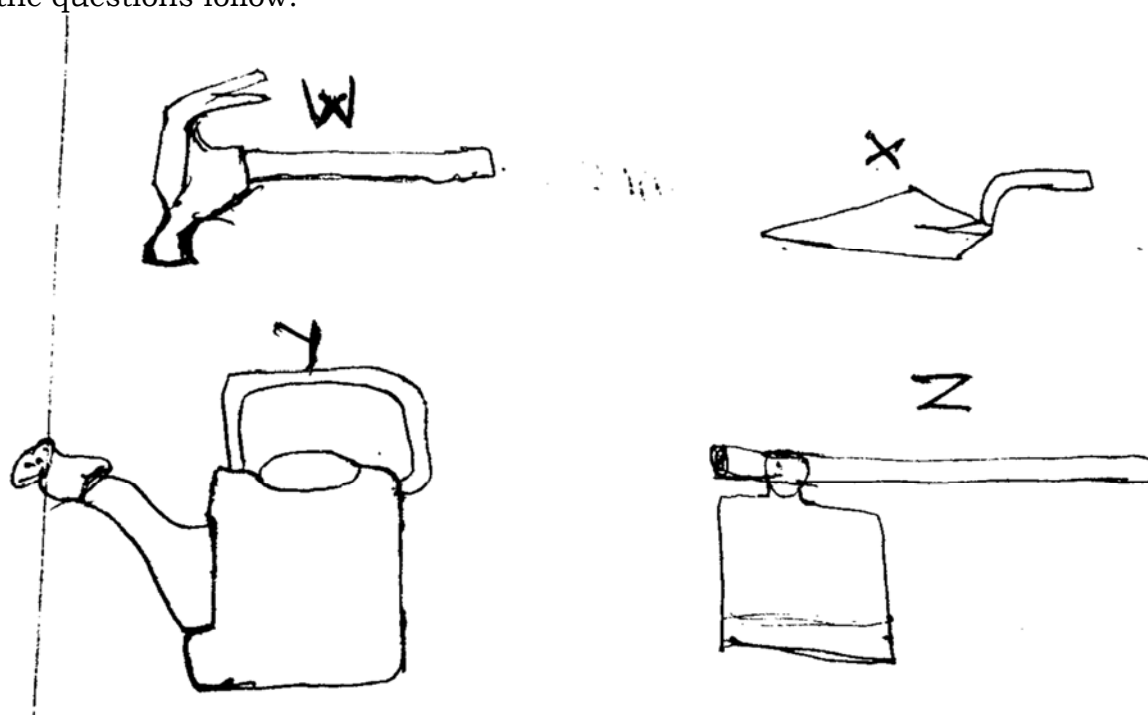
- (b) Identify what parts A, B and C represent on the diagram. (3 marks)

A
 B
 C

- (c) State two crops that require medium A for their proper growth and development. (2 marks)

.....

6. The diagrams below represent farm tools and equipment. Study them and answer the questions follow.



- (a) Identify the tool/ equipment W, X, Y and Z (2 marks)

W
 X
 Y
 Z

(b) State four uses of Z on a farm

(2 marks)

.....

.....

.....

.....

.....

(c) Give four maintenance practices for X on the farm.

(2 marks)

.....

.....

.....

.....

.....

7. Outline five branches of agriculture

(5 marks)

.....

.....

.....

.....

.....

.....

8. Define the following term as they are used in agriculture

(i) Pomology

(2 marks)

.....

.....

.....

(ii) Apiculture

(2 mark)

.....

.....

.....

9. State two effects of HIV/AIDS in agriculture production (2 marks)

.....

.....

.....

10. Crops require different types of nutrients/ elements for their growth and development. What are those major and Trace elements required?

(i) Major elements

(2 marks)

.....

.....

.....

.....

.....

.....

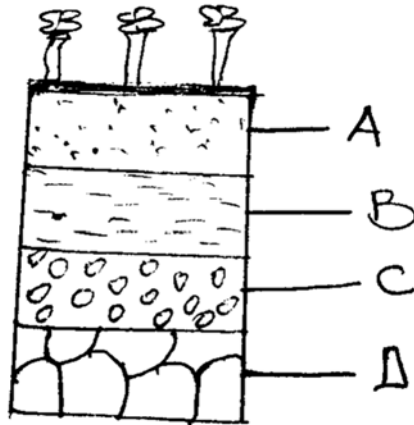
.....

.....

.....

.....

11. Below is a diagram illustrating a soil profile, study it carefully and answer the question that follow.



- (I) Name parts labeled A B C and D above (4 marks)

A

B

C

D

- (II) Outline the characteristics of the part labeled A above (3 marks)

.....

.....

.....

.....

.....

12. (a) Vegetables are common plants grown by most farmers in Uganda today. Of what importance are those crops to farmers in the country. (5 marks)

.....

.....

.....

.....

.....

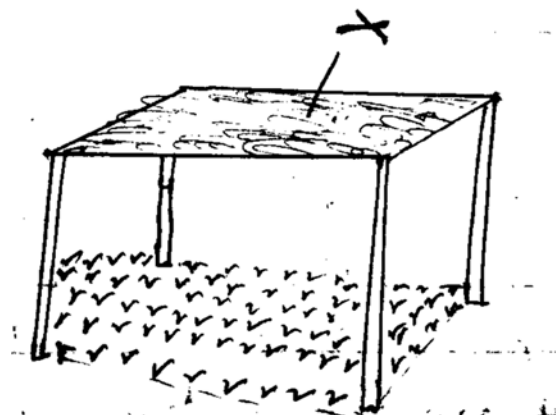
.....

.....

- b) Identify the parts eaten on the vegetables in the table below. (5 marks)

Vegetables	Parts eaten
Onion	
Carrot	
Tomato	
Cabbage	
Egg plant	

13. Below is a structure put up in a garden for raising the seedlings



- (a) Give the name of the structure above. (1 mark)

.....

.....

- (b) State two advantages of having the part labeled X on the structure. (2 marks)

.....

.....

.....

- (c) Mention any four management practices that should be carried out on the structure above from the time seedlings emerge to the stage of transplanting (2 marks)

.....

.....

.....

14. Identify the maturity indicators in vegetable production (5 marks)

.....

.....

.....

.....

.....

.....

15. State the methods of propagation for each crop in the table below. (5 marks)

vegetables	Method of propagation
Onions	
Wild spider weed	
Egg plants	
Green pepper	
cabbages	

SECTION B

16. Recently 150 street children were captured on the street of Kampala by KCCA. Among them were children aged 18 years and above who even appear to be able to work for their living. However, they claim that's the only option they have for survival. Agriculture for which you are a student seems to be having hopes for them since it has got many opportunities/ occupations that would help them other than the street begging's and stealing.
- (a) As a student who offer Agriculture, what are some of those opportunities that would eliminate the cause (2 marks)
 - (b) Suggest what the government can initiate or do to involve these children in agriculture production (6 marks)
 - (c) Choose any career amongst the above-mentioned ones and describe how it would benefit your community (2 marks)
17. You have been appointed and given a responsibility to own a first aid box and administer first aid in case of any accidents in the agriculture department of your school.
- (a) What could have contributed to your appointment (4 marks)
 - (b) How would you maintain the first aid box to stay in good working condition? (4 marks)
 - (c) What is first aid? (2 marks)

END