

Name Index no.....

School Signature

Date

443/1
AGRICULTURE
PAPER 1
MARCH / APRIL 2019
TIME: 2HRS

TRIAL ONE EVALUATION TEST
AGRICULTURE PAPER 1

INSTRUCTION TO CANDIDATES:

- Write your name and index number in the spaces provided above.
- Sign and write date of examination in the spaces provided
- This paper consist of section A, B and C.
- Answer all the questions in sections A and B.
- Answer only two questions in section C.
- All the answers should be answered in the spaces provided.
- The paper consists of 8 printed papers.

For examiners use only

Section	Questions	Max. score	Candidates
A	1-18	30	
B	19-22	20	
C		20	
	TOTAL		

SECTION A (30MKS)

ANSWER ALL QUESTIONS IN THIS SECTION IN THE SPACE PROVIDED AFTER EVERY QUESTION.

1. Name four records kept by a poultry farmers. (2mks)

.....
.....

2. Outline four disadvantages of using organic manures. (2mks)

.....
.....

3. State four advantages of crop rotation. (2mks)

.....
.....

4. List four factors that determine the number of secondary cultivation carries out on a farm. (2mks)

.....
.....
.....
.....

5. Name three activities used in clearing land. (1 ½ mks)

.....
.....

.....
6. Outline four advantages of zero grazing. (2mks)

.....
.....

7. State four factors determine stage of crop production. (2mks)

.....
.....
.....
.....

8. Give three conditions which make it necessary to use a nursery in crop production. (1 ½ mks)

.....
.....
.....

9. Explain the following terms as used in pasture establishment. (1 ½ mks)

(a) Seed innovation.

.....

(b) Over sowing.

.....

10. State four effects of over application of nitrogenous fertilizers in tomatoes. (2mks)

.....
.....
.....

.....

11. Outline two ways through which rain drops initiate the process of soil erosion. (1mk)

.....
.....

12. State four factors influencing the quality of hay. (2mks)

.....
.....
.....
.....

13. List three non- chemical methods of pest control in a maize store. (1 ½ mks)

.....
.....
.....

14. Give four reasons why farmers are advised to raise tea in polythene sleeves. (2mks)

.....
.....
.....
.....

15. State three reasons of pruning in a banana plantation. (1 ½ mks)

.....
.....
.....

16. State three importance of lining in crop production. (1 ½ mks)

.....
.....
.....

17. Define the term Agriculture. (1mk)

.....
.....

18. Name three methods of harvesting water in a farm. (1 ½ mks)

.....
.....
.....

SECTION B (20MKS)

ANSWER ALL QUESTIONS IN THIS SECTION IN THE SPACE PROVIDED AFTER EVERY QUESTION.

19. Below we illustrations of planting materials. Study them and answer the questions that follow.

(a) Identify them. (2mks)

X

Y

(b) Name the preparation x should be subjected to in readiness for planting. (1mk)

.....

(c) State two precautions taken when harvesting Y. (2mks)

.....

.....

20. Below is a diagram of a common weed.

(a) Identify the weed. (1mk)

.....

(b) Why is it hard to control the above weed? (1mk)

.....

(c) Outline three methods of controlling the above weed. (3mks)

.....

.....

.....

21. The following was carried out to determining the humus content in soil sample. The sample weighing 120gm was heated in an oven at 105⁰c. the dried sample was weighed and found to be 112gm. Again it was strongly heated and weighed recording a mass of 106gm.

(a) Calculate the weight of water in the soil. (1mk)

.....
.....

(b) Calculate the percentage of humus in the soil sample. (1mk)

.....
.....

(c) How many times is water content in the soil sample more than humus content?. (1mk)

(d) Outline four farming practices that are used to improve soil structure. (4mks)

.....
.....
.....
.....

22. Below is a diagram of a crop pest.

(a) Identify the pest. (1mk)

.....
.....

(b) Explain two methods used to control the above pest. (2mks)

.....
.....

SECTION C (40MKS)
ANSWER ANY TWO QUESTIONS FROM THIS SECTION IN THE PROVIDED SPACE BELOW.

23. (a) Describe the production of beans under the following sub- topics.

(i) Planting (3mks)

.....
.....
.....
.....
.....
.....
.....

(ii) Field management practices. (5mks)

.....
.....
.....
.....
.....
.....
.....

.....

(iii) Post harvesting practices. (4mks)

.....

.....

.....

.....

(b) Explain eight factors to consider when selecting seeds for planting. (8mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

24. (a) Explain eight factors that encourage soil erosion. (8mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(b) Explain eight management practices carried out on a nursery of vegetables. (8mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(c) Explain four physical methods of controlling crop pests. (4mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....