

BUNAMFAN CLUSTER EXAMINATION - 2022

Kenya Certificate of Secondary Education

443/1 – AGRICULTURE – Paper 1

June 2022 - 2 hours

Name.....Adm No.....

Class..... Date.....

Instructions

This page consists of **three sections A, B and C.**

Answer **ALL** the questions in **sections A and B** and **only two** questions from **section C.**

FOR EXAMINERS USE ONLY

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
A	1-15	30	
B	16-17	20	
C	18-20	40	

SECTION A (30MKS)

Answer all the questions in this section in the spaces provided.

1. Give **four** advantages of large scale farming. (2mks)

.....

.....

.....

.....

2a) Define nomadic pastoralism (1mk)

.....

b) State **two** advantages of nomadic pastoralism. (1mk)

.....

.....

3. State **four** factors which determine soil depth. (2mks)

.....

.....

.....

.....

4. Give **four** natural factors that would encourage the gully erosion on a farm. (2mks)

.....

.....

.....

.....

visit www.freekcsepastpapers.com to download free resources

5. State **four** ways in which trees help in soil conservation. (2mks)

.....

.....

.....

.....

6. State **four** disadvantages of communal land tenure system. (2mks)

.....

.....

.....

.....

7. State **four** factors that should be considered when selecting a forage crop species to be established in a given area. (2mks)

.....

.....

.....

.....

8. What do you understand by the following terms. (3mks)

Seed dressing

.....

Seed inoculation

.....

Chitting

.....

9. Give **two** advantages of compound fertilizers (1mk)

.....
.....

10. State **two** effects of varying spacing in maize production. (2mks)

.....
.....

11. State **four** symptoms of viral diseases in crop production. (2mk)

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

12. List **four** branches of livestock farming. (2mks)

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

13. Name **four** varieties of dry beans (2mks)

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

visit www.freekcsepapers.com to download free resources

14. Give **four** precautions taken to prevent pest attack in stored produce. (2mks)

.....

.....

.....

.....

15. What is organic farming? (1mk)

.....

SECTION B (20MKS)

16. Study the diagrams below carefully and answer the questions that follow.



a) Identify the pests labelled **A** and **B** (2mks)

.....

b) State **two** affects the pest labelled A causes on a maize plant. (2mks)

.....

.....

c) List **three** effects of pest **B** in stores. (3mks)

.....

.....

.....

d) State **three** methods of controlling striga weed.

(3mks)

.....

.....

.....

17. The diagram below shows a field management practice carried out on a fruit crop. Study it carefully and answer the question that follow.



a) Identify the practice

(1mk)

.....

b) Give **two** reasons for carrying out the above practice.

(2mks)

.....

.....

c) State **three** reasons for storing beans after harvesting.

(3mks)

.....

.....

.....

d) State **three** advantage of processing farm produce. (3mks)

.....

.....

.....

e) Define the term drainage. (1mk)

.....

SECTION C (40MKS)

Answer any **two** questions from this section in the spaces provided.

18a) Describe **eight** farming activities that would encourage soil erosion (8mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

visit www.freeksepastpapers.com to download free resources

b) Describe the harvesting of cotton.

(8mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

c) Describe seedbed preparation for carrot production.

(4mks)

.....

.....

.....

.....

visit www.freekcsepastpapers.com to download free resources

19a) Describe **ten** factors that would determine the nutrient content of hay. (10mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

b) Describe **ten** advantages of using organic matter for mulching. (10mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

visit www.freekcepastpapers.com to download free resources

20a) Explain **six** morphological features of weeds that influence selectivity of herbicides. (6mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

b) Give **five** disadvantages of zero grazing system. (5mks)

.....

.....

.....

.....

.....

.....

c) Describe nine factors considered in the selection of planting materials. (9mks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

THIS IS THE LAST PRINTED PAGE