**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)

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2a) Define nomadic pastoralism (1mk)

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

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

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

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

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

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

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

Seed dressing

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Seed inoculation

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Chitting

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

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

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

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

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

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

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15. What is organic farming? (1mk)

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**SECTION B (20MKS)**

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



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

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

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

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d)State **three** methods of controlling striga weed. (3mks)

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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)

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b) Give**two** reasons for carrying out the above practice. (2mks

………………………………………………………………………………………………………………………………………………………………………………………………………………c) State**three** reasons for storing beans after harvesting. (3mks)

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

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e) Define the term drainage. (1mk)

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**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)

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b) Describe the harvesting of cotton. (8mks)

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c) Describe seedbed preparation for carrot production. (4mks)

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

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

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

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

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

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