**Name: ………………………………….ADM No: ………CLASS…………....**

**AGRICULTURE (443/2)**

**FORM THREE**

**PAPER 2**

**2 HOURS**

**Instructions to candidates**.

1. Write your **name** and **admission number** in the spaces provided.
2. This paper consists of three sections **A, B** and **C.**
3. Answer **ALL** the questions in section A and B and any two questions in section C.
4. All answers must be written in the spaces provided.
5. Do not remove any pages from the question paper.

**For Examiner`s use only**

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| --- | --- | --- | --- |
| **Section** | **Questions** | **Maximum score** | **Candidates score** |
| **A** | 1-16 | 30 |  |
| **B** | 17-19 | 20 |  |
| **C** |  | 20 |  |
|  | 20 |  |
| Total Score | 90 |  |

**SECTION A (30 marks)**

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

1. Give two uses of the roof of cattle dip tank. (1mk)

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1. State Four dairy goat breeds reared in a farm. (2mk)

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1. Give four signs of farrowing in a sow. (2mks)

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1. State four maintenance practices carried out on a knapsack sprayer. (2mks)

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1. Give **three** factors that a farmer may consider while carrying out culling in livestock production. (21/2MKS)

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1. a. state two factors considered when siting a fishpond (1mk)

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State **four** categories of individual land tenure system (2mks)

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1. State **two** ways of caponisation in poultry. (2mks)

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1. State four reasons why inbreeding may be useful in livestock production. (2mks)

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1. Give two effects of Tsetse flies on livestock. (1mk)

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1. Name two types of rabbit houses. (1mk)

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1. List four types of vaccines used in livestock production. (2mks)

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1. Name four types of pests that affect bees. (2mks)

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1. Outline three reasons why farmers dehorn cattle. (11/2mks)

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1. (a. Differentiate between cropping and harvesting as used in fish production. (1mk)

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b. Name two species of fresh warm water fish. (1mk)

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1. Give four reasons for steaming up dairy cattle. (2mks)

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1. Name **four** factors to consider while choosing construction materials in the farm. (2mks)

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**SECTION B (20 Marks)**

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

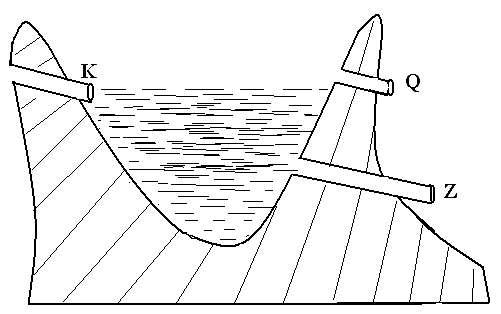
1. Below is a diagram illustrating a beehive. Study carefully an answer the questions that follow.

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1. Name the type of beehive shown (1mk)
2. Name the parts labeled H and K (2mk)

H

K

1. Give **two** importance of part G (2mks)
2. Give **two** tools used for detaching honey combs during honey harvesting. (2mks)
3. The illustration below is a farm structure.

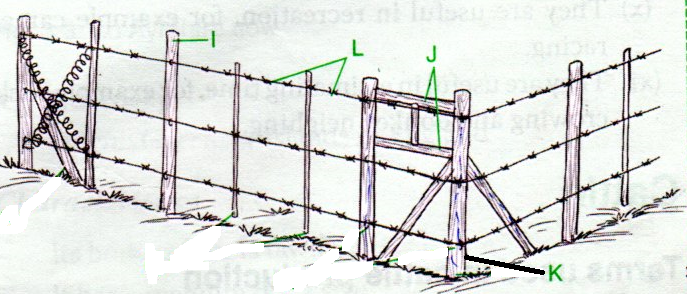
1. Identify the structure. **(1 mark)**
2. Name the parts labeled K, Q and Z. **(3 marks)**

K

Q

Z

1. Give four maintenance practices carried out on the above structure.  **(2marks)**
2. Study the farm structure shown below and answer questions that follow.



1. . Identify the structure shown above. (1mk)

(b). Name the parts labeled **I, J, K** and **L**. above. (4mks)

I

J

K

L

(c). Give two disadvantages of using the structure above in pasture fields. (2mk)

**SECTION C (20 Marks**

***Answer any TWO questions in this section in the spaces provided.***

1. (a)state three fat soluble vitamins **(3marks)**

b) Give five functions of vitamins in livestock production. **(5 marks)**

c) State reasons for absconding of bees **(7 marks)**

d) Outline five advantages of embryo transplant technology in cattle management.

**(5 marks)**

**21.** a) Describe five features of an ideal calf pen (5mks)

b) Describe the general uses of a fence in the farm (10mks)

c) Outline five reasons for keeping livestock healthy (5mks)

**22. a)** Outline ten factors to consider when selecting gilt for breeding stock. **(10 marks)**

**b)** Explain the economic importance of parasites to livestock. **(10 marks)**