**Name: ……………………………………………................................ Adm No…………………...…………..................**

**School: …………………………………………………………………………. Candidate’s sign ……………………...............**

**Class………………………………………….…..………………………………**

**AGRICULTURE 443/2**

**AUGUST 2022**

**TIME: 2 HOURS**

**FORM THREE MOKASA II MOCK**

***Kenya Certificate of Secondary Education (K.C.S.E.)***

**Agriculture**

**Paper 2**

**INSTRUCTIONS TO CANDIDATES:**

1. *Write your name and index number in the spaces provided above.*
2. *Sign and write the date of examination in the spaces provided above.*
3. *This paper consists of three sections A, B and C.*
4. *Answer* ***all*** *the questions in section A and B.*
5. *Answer any* ***two*** *questions in section C.*
6. *All answers should be written in the spaces provided.*
7. *This paper consists of 12 printed pages.*
8. *Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*
9. *Candidates should answer all the questions in English.*

***For Examiner’s Use Only:***

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION** | **QUESTIONS** | **MAXIMUM SCORE** | **CANDIDATES SCORE** |
| A | 1-17 | 30 |  |
| B | 18-21 | 20 |  |
| C |  | 20 |  |
|  | 20 |  |
|  | **TOTAL SCORE** | **90** |  |

**SECTION A (30MKS)**

***Answer all the questions in the spaces provided below***

1. Name **four** breeds of rabbits. (2mks)

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1. Give **four** field conditions where animal drawn implements are useful than tractor drawn implements. (2mks)

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1. State **two** functions of carbohydrates in animal body. (2mks)

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1. State **four** disadvantages of fold unit of rearing poultry. (2mks)

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1. Give **two** reasons why layers lay soft shelled eggs. (1mk)

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1. State **four** management practices that should be carried out during the mating season in sheep. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give **two** reasons of spreading a polyethene sheet (PVC) on the slab of farm buildings during construction. (1mk)

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1. State **four** features of a good maize granary. (2mks)

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1. State **four** reasons why wind power is not commonly used on the farm.

(2mks)

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1. State the functional difference between a cold chisel and a wood chisel.

(1mk)

…………………………………………………………………………………………...………………………………………………………………………………………….…………………………………………………………………………………………..

1. State **four** factors that affect the digestibility of feeds in livestock. (2mks)

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1. State **two** methods of preserving fish. (1mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Outline **four** ways which farmers can use to prevent mastitis in a herd of dairy cattle. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State **four** functions of a worker bee in the hive. (2mks)

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1. State **four** properties of a concrete that makes it popular in construction of a farm structure than timber. (2mks)

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1. State **four** advantages of embryo transplant in livestock. (2mks)

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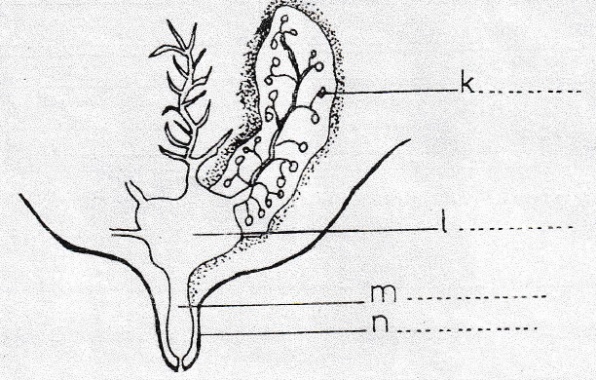
1. State **four** factors that would contribute to the depreciation pf a fam equipment. (2mks)

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**SECTION B (20 MARKS)**

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

1. The diagram below is a cross section of part of a cow`s udder



(a) Label, on the diagram, the parts marked **K, L,M** and **N** (2mks)

K……………………………………………………………………………………………L……………………………………………………………………………………………M……………………………………………………………………………………………N……………………………………………………………………………………………

(b) Define milk let-down. (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………

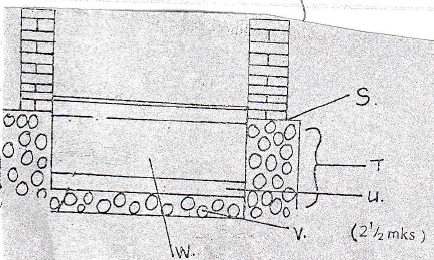
(c)(i) Which hormone stimulate milk let-down (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………

(ii) Which hormone stimulate milk synthesis (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………

1. The diagram below illustrates a foundation of a farm structure, study it and answer questions that follow.



1. Name the part (2mks)

**S………………………………………………………………………………………...**

**T………………………………………………………………………………………...**

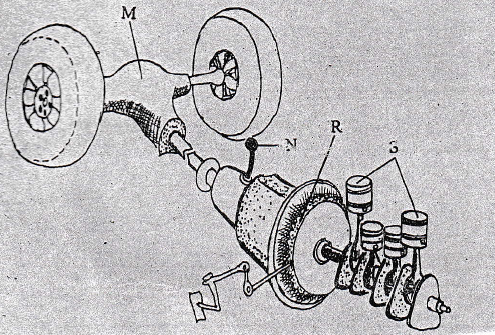
**U………………………………………………………………………………………...**

**W………………………………………………………………………………………..**

1. State **three** properties of concrete that make it popular in construction of farm structure than timber. (3mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Study the illustration of a tractor transmission system shown below and answer the questions that follow.



1. Name the parts labelled M, N, R and S shown above. (2mks)

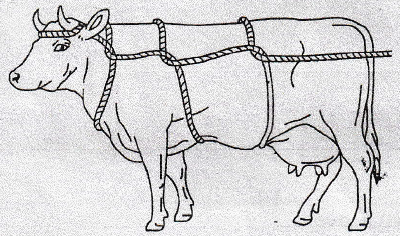
**M……………………………………………………………………………………….**

**N………………………………………………………………………………………...**

**R………………………………………………………………………………………...**

**S………………………………………………………………………………………...**

1. State the functions of the part labelled.(3mks)
2. **R………………………………………………………………………………...**
3. **M………………………………………………………………………………..**
4. (a)Study the illustration below and answer questions that follow.



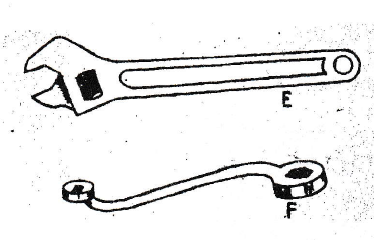
1. Identify the practice demonstrated in the illustration above. (1mk)

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1. Give **one** condition under which the method above cannot be used. (1mk)

………………………………………………………………………………………………………………………………………………………………………………

(b ) Study the illustration of workshop tools and answer questions that follow.



1. (i) Identify the tools labelled **E** and **F**. (1mk)

**E………………………………………………………………………………………...**

**F………………………………………………………………………………………**

1. Give the functional advantage that **E** over **F** (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

**SECTION C (40 Marks)**

***Answer any two questions in this section.***

22.(a) Describe the procedure of dressing a broiler for sale. (8mks)

(b) Describe the uses of fences on the farm. (7mks)

(c) state **five** indicators that can be observed on a goat to confirm sickness. (5mks)

23.(a) Describe **Foot and Mouth** under the following sub-headings

1. Causative agent. (1mk)
2. Animals affected. (2mks)
3. Symptoms (4mks)
4. Control measures. (3mks)

(b). Describe the life cycle of a liver fluke. (6mks)

(c) Outline **four** general characteristics of beef cattle breeds. (4mks)

24.(a) Explain **six** differences between a two-stroke and four-stroke cycle engine. (6mks)

(b) Outline **eight** factors considered when selecting materials for construction of farm structures. (8mks)

(c) Describe **six** factors considered when selecting goat for breeding. (6mks)

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