ASUMBI GIRLS HIGH SCHOOL

PRE-MOCK

MAY-JUNE

2022

**443/2 AGRICULTURE PAPER 2**

**FORM FOUR**

**2 HOURS**

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

**Signature............................................................................. Date............................**

**Instructions to candidates.**

1. *Write your name and adm 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 10 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** | **Question** | **Maximum**  **Score** | **Candidate’s**  **Score** |
| **A** | **1-16** | **30** |  |
| **B** | **17-20** | **20** |  |
| **C** | **21-23** | **60** |  |
| **Total Score** |  |

***SECTION A (30 marks)***

***ANSWER ALL QUESTIONS IN THIS SECTION IN THE SPACES PROVIDED***

1. Name **four** light breeds of poultry. (2mks)

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1. State **four** conditions necessary for egg incubation (2mks)

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1. Give **four** disadvantages of inbreeding. (2mks)

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1. Give **four** factors that a farmer may consider while carrying out culling in livestock production.(2mks)

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1. State **four** predisposing factors of pneumonia in lambs (2mks)

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1. Name **four** tools used in dehorning. (2mks)

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1. Give **four** general methods of controlling livestock diseases. (2mks)

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1. State **four** features of clean milk. (2mks)

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

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1. State **four** control measures of liver fluke (2mks)

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1. State **four** factors that influence the pulse rate of an animal. (2mks)

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1. Distinguish between the Saanen and Jamnapari breeds of goats. (2mks)

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1. Give **four** types of beehives. (2mks)

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

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1. Name **four** disadvantages of battery cage system. (2mks)

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***SECTION B (20 MARKS)***

***ANSWER ALL THE QUESTIONS IN THIS SECTION IN THE SPACES PROVIDED.***

1. Study the diagram of a cow below and answer the subsequent questions.

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1. Identify the livestock equipment marked E above. (1mk)

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1. State **two** uses of the equipment in 17 (i) above. (2mks)

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1. Name the **two** types of identification marks applied on the animal above. (1mk)

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1. Show with an arrow and mark with letter P where pye-grease acaricide should be applied on the animal. (1mk)
2. Study the illustration of a biogas digester plant and answer the questions that follow.

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1. Name the major component of biogas that is trapped in part L above. (1mk)

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1. Give the name of the material deposited in part labeled M and its use. (1mk)

name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the component of K in the biogas production? (1mk)

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1. Give **three** disadvantages of biogas as a source of farm power. (3mks)

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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)

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1. Name the parts labeled H and K (1mk)

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K\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Give **two** importance of part G (2mks)

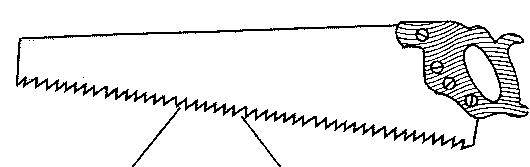
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Give **two** tools used for detaching honey combs during honey harvesting. (2mks)

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1. Study the diagram below f farm tools and equipment and answer questions that follow.

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N 

1. Identify tool M and N (1mk)

M\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

N\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. State **one** functional difference between M and N (1mk)

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1. State **two** maintenance practices of tool M. (1mk)

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***SECTION C (40 MARKS)***

***ANSWER ANY TWO QUESTIONS FROM THIS SECTION IN THE SPACES PROVIDED AFTER THE SECTION.***

1. (a) State **four** reasons for breeding cattle. (4mks)

(b) Explain **four** routine management practices carried out during rearing of dairy calves. (8mks)

(c) State **five** reasons for swarming in bees. (5mks)

(d) List **three** ways of controlling liver flukes in sheep. (3mks)

1. (a) Discuss the disease Trypansomiasis under the following sub headings.
2. Causal organism (1mk)
3. Animals attacked (1mk)
4. Mode of transmission (1mk)
5. Symptoms (2mks)
6. Control (2mks)

(b) Explain **six** measures used in controlling diseases in livestock. (12mks)

1. (a) Explain the management of growers in deep litter system until the time of laying (1mks)

(b) State and explain **eight** materials and equipment used during milking. (8mks)

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