**NAME ………………………………………………………INDEX NO……………………………**

**SCHOOL………………………………………………………SIGNATURE………………………**

**443/2**

**AGRICULTURE**

**PAPER 2**

**AUGUST/SEPTEMBER**

**TIME: 2 HOURS**

**RARIEDA SUB-COUNTY POST MOCK JOINT EXAMS 2016**

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

**443/2**

**AGRICULTURE**

**PAPER 2**

**INSTRUCTIONS TO CANDIDATES**

 *[a] Write your name and index number in the spaces provided above .*

*[b]Sign and write the date of examination in the spaces provided above .*

*[c]This paper consists of three sections : A ,B,C .*

*[d]Answer all the questions in Section A and B and any two questions in Section C*

*[e]All answers should be written in the spaces provided on the question paper* .

**FOR EXAMINERS USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION**  | **QUESTIONS** | **MAX.SCORE** | **CAND. SCORE** |
| A | 1-19 | 30 |  |
| B | 20-23 | 20 |  |
| C | 24 ,25 ,26 | 20 |  |
|  | 24 ,25 ,26 | 20 |  |
| **TOTAL SCORE** |  | 90 |  |

***his paper consists of 10 printed pages students to confirm the same and ensure there are no questions missing.***

**SECTION A [30 MARKS]**

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

1. Name four dairy breeds of goats. [2marks]

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1. Give four characteristics of clean and high quality milk . [2marks]

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1. Name two classes of livestock feedstuff. [1mark]

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1. Give three systems of out breeding .[1.5marks]

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1. Give the pathogens that cause the following livestock diseases.

[a] Anthrax [0.5marks]

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[b] Gumboro [0.5marks

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1. State two reasons for hoof trimming in livestock .[1mark]

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1. Give four symptoms of Newcastle disease .[2marks]

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1. State four management activities done to piglets immediately after parturition [2marks]

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1. Give four pre disposing factors of mastitis in dairy cows. [2marks]

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1. State four routine management practices carried out on a replacement stock that is a heifer.[2marks]

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11. Outline two control measures of roundworms. [1mark]

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12. Give two maintenance practices carried out on a barbed wire fence . [1mark]

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 [a] Name a pig breed that is purely black with a long back and drooping ears . [0.5mark]

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[b] Name four materials collected by bees. [2marks]

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14. State four mechanical methods of controlling ticks . [2marks]

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15. Give two roles of ovaries in a cows reproductive system . [1mark]

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16. State four reasons that make keeping of rabbits popular. [2marks]

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17. Give two roles of a bee drone. [1 mark ]

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18. State four management practices carried out in a deep litter system of poultry keeping . [2marks]

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19. Name two functions of a clutch in the tractors transmission system .[1mark]

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**SECTION B [20MARKS]**

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

20.The diagrams below represent some farm tools and equipment .Study them and answer the questions that follow .

[a]Identify the tools labeled A and B

A……………………………………………………………………………… [1mark]

B………………………………………………………………………………. [1mark]

[b]State one use of each of the tools labeled C and D

C……………………………………………………………………………. [1mk.]

D……………………………………………………………………………… . [1mk.]

[c] Explain one maintenance practice carried out on tool D . [1mk.]

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21.The diagram below represents a foundation of a farm structure .Study it and answer questions that follow .



[a] Identify the parts labeled E and F .

E……………………………………………………………………………………. [1mk.]

F………………………………………………………………………………… [1mk.]

[b]State two uses of part labeled F in a foundation structure . [2mks.]

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[c]What ingredients are used to complete part G . [1mk.]

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22.The diagram below illustrates an internal parasite of livestock .



[a] Identify the parasite above . [1mk.]

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[b]Name two common species of the parasite illustrated a bove . [2mks.]

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[c] Give two control measures of the above parasite . [2mks.]

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23. Study the diagram below and answer questions that follow.

[a] Which of the above cows shows the signs of heat ? [1mk.]

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[b]Give one reason to confirm your answer in [a] above.

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[c] State two benefits of natural mating system . [2mks.]

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[d] Name a disease that is easily spread by this method of mating . [1mk.]

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**SECTION C [40MARKS]**

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

24. [a] Describe six signs of furrowing in a sow . [6mks.]

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[b]Explain six benefits of the Kenya top bar hive . [6mks.]

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[c]Explain eight factors considered when siting farm structures . [8mks.]

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25. [a] Describe rinderpest disease under the following sub headings .

Animals affected . [2marks]

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Causal organism . [1 mark ]

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Symptoms of attack . [ 5 marks]

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Control measures . [2 marks ]

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[b] Describe the digestion of food in poultry from the beak to the duodenum . [5marks]

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[c] Explain five uses of solar energy in a farm . [5marks]

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26. [a]Describe the working of a two stroke cycle engine . [10mks.]

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[b]Explain five factors considered when siting a fish pond. [5mks.]

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[c]Explain five reasons for swarming of bees. [5mks.]

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