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443/2

Agriculture

Paper 2

Term one – 2023

Time: 2Hours

CHOGORIA /MURUGI JOINT EXAMINATION.

INSTRUCTIONS TO THE CANDIDATE.

* Write your name and index number in the spaces provided.
* This paper consists of three sections: A, B and C
* Answer all the questions in section A and B and any TWO questions from section C in the spaces provided.

FOR EXAMINER’S USE ONLY.

|  |  |  |  |
| --- | --- | --- | --- |
| SECTION | QUESTION | MAXIMUM SCORE | CANDIDATES SCORE  |
| A | 1 – 15 | 30 |  |
| B | 16 – 19 | 20 |  |
| C | 20 | 20 |  |
| 21 | 20 |  |
| 22 | 20 |  |
|  | TOTAL | 90 |  |

SECTION A - Answer all the questions in this section – (30 marks).

1. Name the most appropriate tools used in the following operations.

(a) Removing nails form timber. (1mrk)

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(b) Cutting wood along grains (1mrk)

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(c) Branding (1mrk)

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2. Name four functions of lipids in an animals body. (2mrks)

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3. Name three methods of out breeding in livestock production. (1 ½ mrks)

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4. Give two reasons for tailing in sheep production. (2mrks)

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5. Give four ways id transmitting live stock diseases. (2mrks)

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6. Name four symptoms of an plasmosis in livestock. (2mks)

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7. State two predisposing factors of foot rot in sheep. (2mks)

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8. List four reasons for maintaining good health in livestock. (2mks)

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9. Mention two reasons for flushing an awe around service time. (2mks)

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10. List routine practices in livestock used to control parasite and diseases. (2mks)

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11. Name two methods recommended for indentifying pigs. (2mks)

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12. List three types of calf pen. (1 ½ marks) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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13. Give four signs that indicate that sow id about to furrow. (2mks)

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14. Name four species of fresh water fish reared in Kenya. (2mks)

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15. Give four conditions that reduce the quality of eggs for hatching. (2mks)

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Section B - (20M KS) - Answer all the questions in this section.

16. The diagam below illustrates a general body shape of a cattle breed. Study it carefully and answer the questions that follow.

(i) identify the type and breed illustrated by the above diagram. (1mk)

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(ii) Give two examples of a breed in (i) above (2mks)

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(iii) State two physical characteristics of the type of breed in (i) (2mks)

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17. The diagram below shows a certain practice carried on pig

(a) identify the practices illustrated above. (1mk)

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(b) Draw another illustration depicting pig number 37 (1mk)

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(c) Name the tool used to carry out the practice illustrated above. (1mk)

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(d) State two other methods of identifying piglet. (2mks)

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18. The diagram below shows an activity carried out by a poultry farmer. Study it and answer the questions that follow.

(a) Identify the activity. (1mk)

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(b) Name the parts E and G (2mks)

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(c) State two advantages of using the equipment above for chick production. (2mks)

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19. A farmer is required to prepare 100kg of ration of 30% digestible crude protein (DCP) from simsim seed cake containing 50% DCP and maize meal 10% DCP. Using Pearsons square method, calculate the amount of simsim and maize the farmer requires

 (5mks)

SECTION C

20. (a) Name and describe the features of a calf pen. (10mks)

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21. (a) Describe the factors a farmer should consider when selecting a young female pig (gilt) for breeding. (9mks)

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(b) Discuss Gumboro disease under the following sub-headings.

(i) Causal organism (1mk)

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(ii) Animals attacked. (1mk)

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(iii) Symptoms (4mks)

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(iv) Control measures (2mks)

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22 (a) outline various methods of controlling ticks. (10mks)

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(b) Describe management of growers up to the point of lay. (10mks)

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