

NAME.....INDEX
 NO.....

SCHOOL.....SIGN.....DATE.....

443/2

AGRICULTURE

PAPER 2

TIME: 2 HOURS

DECEMBER, 2020

MERU CENTRAL CLUSTER EXAMINATION (2020)
Kenya certificate of secondary education (k.c.s.e)

INSTRUCTIONS TO CANDIDATES

- Write your name, school and index number, in the spaces provided above.
- Sign and write the date of the examination in the spaces provided above.
- 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**.
- All answers must be written in the spaces provided in this booklet

For Examiner’s Use Only _____

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1–18	30	
B	18–22	20	
C		20	
		20	
	Total score	90	

SECTION A

ANSWER ALL THE QUESTIONS IN THIS SECTION IN THE SPACES PROVIDED

1. Name **two** dairy goat breeds found in Kenya. (1 Mk)

.....

2. Outline **four** reasons for maintaining farm tools and equipment in good condition. (2 Mks)

.....

3. Outline **two** predisposing factors of foot rot. (1 Mk)

.....

4. Name **two** rules that should be observed when milking. (1 Mks)

.....

5. Outline **two** duties of a worker bee in a colony of bees. (1 Mks)

.....

6. Study the table below fill in the blanks to show the term used to refer to parturition and young ones of the following animals. (2 Mks)

Type of animal	Act of parturition	Term to refer to the young one
Cattle	Calving	Calf
Goats
pig		

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7. State **four** harmful effects of ticks. (2 Mks)

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.....

8. State **four** desirable factors to consider when siting a fish pond. (2 Mks)

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

a) Removing metal chippings in file (1mrk)

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.....

b) Cutting wood along grains (1mrk)

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.....

c) Branding (1mrks)

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10. State **four** characteristic of Boran cattle (2mrks)

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.....

11. Name **three** methods of out breeding in livestock production ((1 ½ marks)

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.....

12 .What do you understand by the following terms as used I animal production .

a) Caponisation (1mrk)

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.....

b) Bullock (1mrk)

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c. Epistasis(1mrk)

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.....

13 State **four** control measures of a liver fluke in livestock.
(2 marks)

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.....

14 What is “dry cow therapy” in dairy cattle management?
(1/2 mark)

.....
.....

15 State **four** causes of stress in poultry.
(2 marks)

16. Distinguish between mothering ability and prolificacy as used in livestock breeding.(1mks)

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17 Name **two** sources of protein for livestock nutrition.
(2 marks)

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18 State **four** signs of parturition shown by a in calf cow. (2 marks)

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.....

SECTION B (20 mks)

ANSWER ALL THE QUESTIONS IN THIS SECTION

19 The diagram below shows a certain practice carried out on pig



a) Identify the practice illustrated above (1mrk)

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.....

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

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

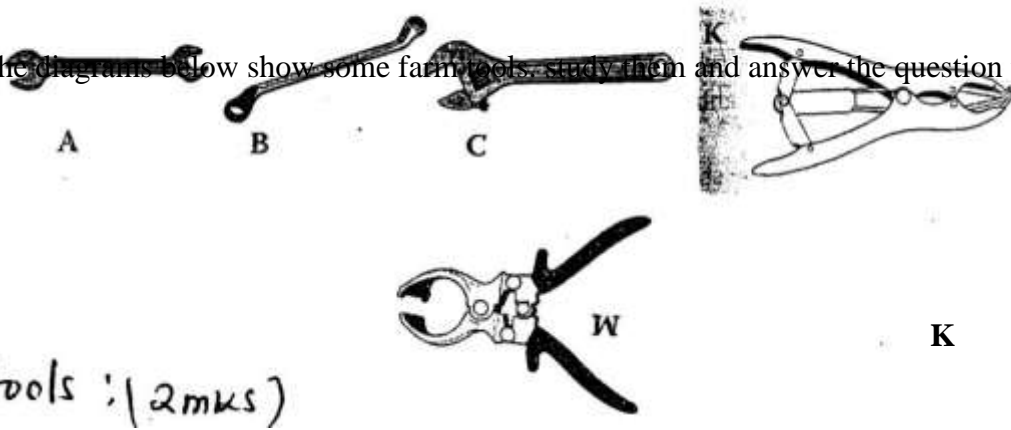
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d) State two other method of identifying piglet (2mrks)

i).....
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ii).....
.....

20. The diagrams below show some farm tools. study them and answer the question that follow.



a) Name the tools.

(2 marks)

A

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B

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C

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W

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b) State the functional differences between tools K and W.

(1 mark)

.....

c) What advantage does C have over A and B? (1 mark)

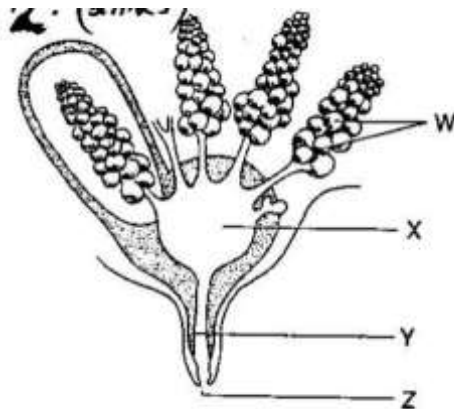
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d) State **one** common maintenance practice carried out in tool C and W.

(1 mark)

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21a) The diagram below shows a structure of the udder of a cow. Name the part labeled W, X, Y and Z.(2 marks)



W

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X

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Y

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Z

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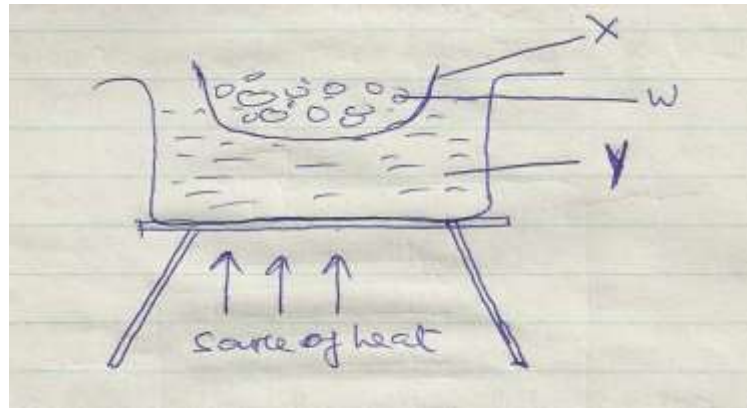
b) What is milk let down (1 mrk)

.....
.....

c) Name **two** hormones that control milk let down in dairy cow. (2 mrk)

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22. Below is an illustration of a method of extracting honey from combs .Study the diagram and answer the question that follow .



a) Identify the above method of extracting honey (1mrk)

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b) Give a reason why container x should not be heated directly (1mrk)

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c) Name the parts labeled w and y(2mrks)

W.....

Y.....

d) Besides the above method ,State one other method of extracting honey (1mrk)

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iv) **Three** control measures (3 Mks)

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b) Control **five** control measures for cannibalism (5 Mks)

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(c) Explain **five** parts of a piggery unit (10mrks)

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A series of horizontal dotted lines for writing, organized into 10 groups of 10 lines each.

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