

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

443/2  
AGRICULTURE  
PAPER 2

CANDIDATE'S SIGN.....

DATE.....

TIME: 2 HOURS

## CENTRAL KENYA NATIONAL SCHOOLS JOINT EXAM - 2015

Kenya Certificate of Secondary Education  
AGRICULTURE  
PAPER 2  
TIME: 2 HOURS

### INSTRUCTIONS TO CANDIDATES:

- Write your **name** and **index number** in the spaces provided above.
- Sign and write the date of examination in the spaces provided above.
- This paper consists of **THREE** Sections **A**, **B** and **C**.
- Answer all questions in Section **A** and **B** and any **Two** in Section **C**.
- All answers must be written in the spaces provided.

### FOR EXAMINER'S USE ONLY

| Section     | Question | Maximum Score | Candidate's Score |
|-------------|----------|---------------|-------------------|
| A           | 1 -19    | 30            |                   |
| B           | 20 – 23  | 20            |                   |
| C           | 24 -26   | 40            |                   |
| Total Score |          | 90            |                   |

**SECTION A: (30 MARKS)**

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

1. Differentiates between apiculture and aquaculture. (1mk)

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2. State **three** ways of preventing predation in a fish pond. (1½mks)

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- 3 Name **one** livestock disease that is transmitted by each of the following parasites. (½mks)

(i) Brown ear tick.

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(ii) Tse-tse fly. (½mks)

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4. Define the following terms as used in livestock production; (½mks)

(i) Vaccination.

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(ii) Mortality rate. (½mks)

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5. State the intermediate host for livefluke *faciola* (spp) (½mk)

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6. State **two** roles of drones in a bee colony. (1mk)

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7. State **four** breeds of rabbit. (2mks)

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8. State **four** important components of the power transmission system (2mks)

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9. State **four** major routes of administering vaccines in a day old chicks. (2mks)

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10. State **four** factors considered by farmers when sitting a beehive in the farm. (2mks)

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11. Outline **four** reasons why calves should be fed on colostrum. (2mks)

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12. State **four** characteristics of *Bos taurus* class of cattle. (2mks)

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13. State **four** importances of farm buildings. (2mks)

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14. State **two** causes of bloat in ruminants. (1mk)

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15. State **four** ways of controlling stress in a flock of layers. (2mks)

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16. State **four** characteristics of roughage feedstuff. (2mks)

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17. List **four** causes of livestock diseases. (2mks)

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18. State **two** ways of improving traction in a tractor. (1mk)

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19. Name the tools used to for;  
(a) Carrying out open method of castration of livestock. (1mk)

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(c) State **two** advantages of part labelled **D** to its functions. (2mks)

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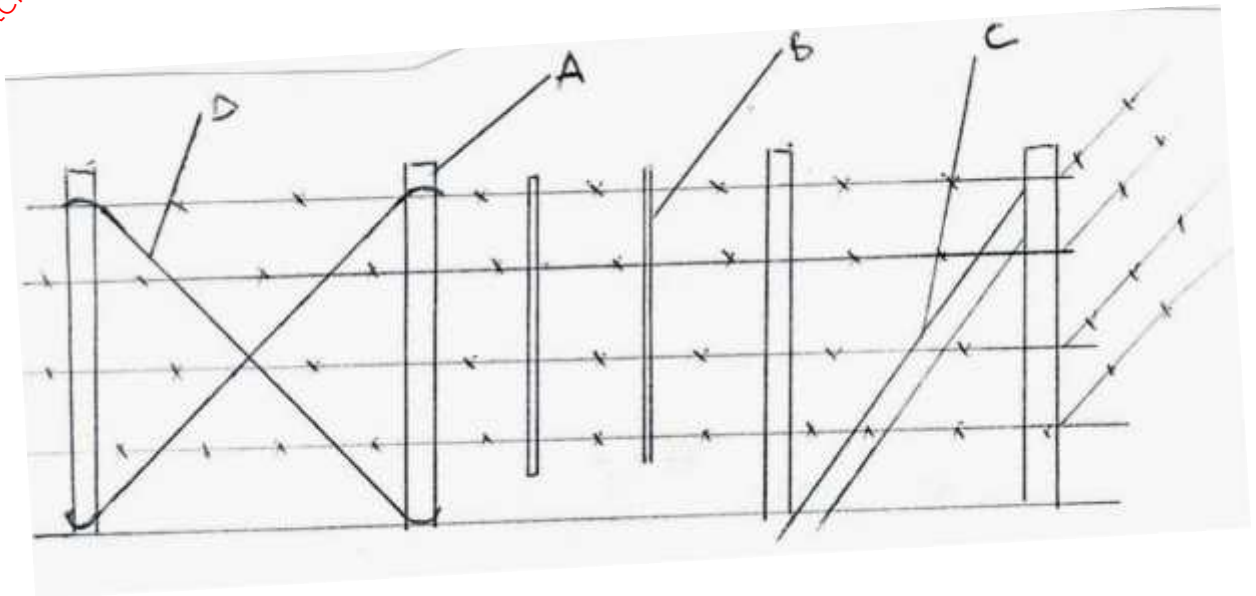
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(d) What management practice is carried out on part **A**? (1mk)

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22. The diagram below is of an illustration of a farm structure. Study it and answer the questions that follow.



(a) State the type of the fence. (1mk)

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(b) Name the parts labeled: (1mk)

**A** \_\_\_\_\_

**B** \_\_\_\_\_

**C** \_\_\_\_\_

**D** \_\_\_\_\_

(c) State **two** reasons why the above fence is not recommended for sheep production. (2mks)

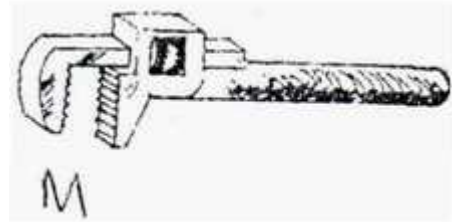
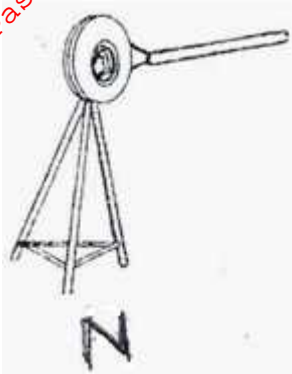
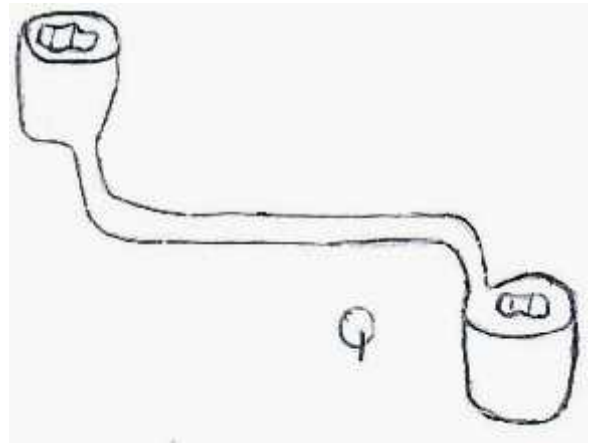
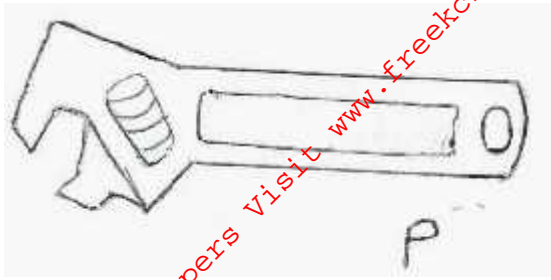
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23. Below are illustrations of farm tools. Study them and answer the question that follows:



(a) Identify **P** and **M**. (1mk)

**P** \_\_\_\_\_

**M** \_\_\_\_\_

(b) State **one** advantage of **P** over **Q**. (1mk)

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

(c) State the function of tool labelled **N** and **M**. (2mks)

**N** \_\_\_\_\_

**M** \_\_\_\_\_

(d) Give **two** maintenance practices that can be carried out on tool **P**. (1mk)

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





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