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

SCHOOL……………………………………………...CANDIDATE’S SIGNATURE……………

 DATE………………………………….

443 / 2

AGRICULTURE

PAPER 2

MARCH / APRIL 2015

2 HOURS

**KABONDO DIVISION JOINT EVALUATION TEST**

*Kenya Certificate of Secondary Education*

**INTRODUCTION TO CANDIDATES**

1. Write your name and index no in the spaces provided
2. Put your signature in the spaces provided above
3. Write your answers in the spaces provide after every question

For examiner’s use only

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Question  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Marks  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Question  | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Marks  |  |  |  |  |  |  |  |  |  |  |  |  |  |

***This paper consists of 12 printed pages. Candidates should check the question paper to ensure that all pages are printed as indicated and no questions are missing.***

**SECTION A (30MARKS)**

**(Answer all question in the spaces provided)**

1. Name three types of dairy goats reared in Kenya (1 ½)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. a. What is raddling in sheep management (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

b. Give two reasons for raddling in sheep management (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give three advantages of contemporary comparison method in selection of livestock

(1 ½)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State four advantages of animal power in the farm (2mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give two qualities of a creep feed that make it suitable for piglets (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give two reasons for spreading a polythene paper (pvc) on the slab of a permanent farm building (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. Name three types of Fresh warm water fish reared in Kenya (1 ½ mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. a) Give three disadvantages of inbreeding in cattle production (11/2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

b). Give three ad vantages of embryo transplant in cattle (11/2mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give two factors inhibiting milk let-down (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. a. Differentiate between “Flushing “and “Steaming up “ in livestock management (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

b. Give three characteristics of succulent roughage (11/2mks)

..............................................................................................................................................................................................................................................................................................................................................................................................................................

1. State two characteristics of a air cooled engines (1mk)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. Give four characteristics of a good vaccine (2mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State five factors that necessitate culling of a dairy cow (21/2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give two reasons why the afterbirth is removed immediately the sow farrows (1mk)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give two reasons why bees swarm (1mk)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. List three chemical methods of treating timber (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give four importance of farm buildings (1mk)

……………………………………………………………………………………………………………………………………………………………………………………

1. State two control measures of controlling fleas in a flock of layers (1mk

…………………………………………………………………………………………………………………………………………………………………………………….

**SECTION B (20 MARKS)**

 ***Answer all question s in the spaces provided***

1. Below is an illustration of a shep with some parts labeled A,B and C.Study the diagram and answer questions that follows?
2. State the practices carried out on the part labeled A,B and C

………………………………………………………………………………………………………………………………………………………………………………

1. State two reasons for carrying our the operation on the part labeled A. (1mk)

.…………………………………………………………………………………………………………………………………………………………………………………….

1. Name one tool used for operation carried out on the part labeled B and C(1mk)

B………………………………………………………………………………………

C……………………………………………………………………………………….

1. Study the illustration below and answer questions that follows
2. Identify the implement illustrated above (1mk)

 ……………………………………………………………………………………….

1. Name the parts labeled E,F,G and H (2mks)

A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_C\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_D\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. State three ways in which the depth of ploughing can be increased when using the implement above (3mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. The illustration below represents the digestive system of a poultry.Study and answer question s that follow.

i)Name the parts Q,R and S (11/2)

Q.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

R. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

S. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii) State the functions of the part labeled Q and R (2mks)

Q. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

R. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

iii). Give two characteristics of the part labeled S that make it effective in it’s

 function (2mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Below is an illustration of a bee keeping structure

 a.)Name the parts labeled K,L,N and M (2mks)

 K. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 L. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 N. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 M. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. Give two factors that affects quality of honey (2mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 c.Name two types of pests that affects bees (1mk)

……………………………………………………………………………………………………………………………………………………………………………………

**SECTION C 40 MARKS**

 ***Answer any two questions from this section***

1. a. Describe the characteristics of eggs selected for incubation (5mks)

b. Discuss five factors which affects the quality of honey (5mks)

c. Describe the management of growers from the 9th week to the point

of lay (10mks)

1. a. Outline ten function s of Rumen (10mks)

b. Describe the digestion of grass in the rum en of an adult ruminant (8mks)

c. . Describe two reasons why raddling is necessary in sheep management (2mks)

1. Describe the component parts of a plunge dip for cattle (20mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………. …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………. …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………. …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………. …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………. …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………. …………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………