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**KENYA NATIONAL EXAMINATION COUNCIL  
REVISION MOCK EXAMS 2016  
TOP NATIONAL SCHOOLS**

**BAHATI GIRLS HIGH SCHOOL  
AGRICULTURE  
PAPER 2  
TIME: 2 HOURS**

**SCHOOLS NET KENYA**  
Osiligi House, Opposite KCB, Ground Floor  
Off Magadi Road, Ongata Rongai | Tel: 0711 88 22 27  
E-mail: [infosnkenya@gmail.com](mailto:infosnkenya@gmail.com) | Website: [www.schoolsnetkenya.com](http://www.schoolsnetkenya.com)

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443/2  
AGRICULTURE  
PAPER 2  
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## BAHATI GIRLS HIGH SCHOOL KCSE TRIAL AND PRACTICE EXAM 2016

### Paper 2

#### SECTION A (30MARKS)

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

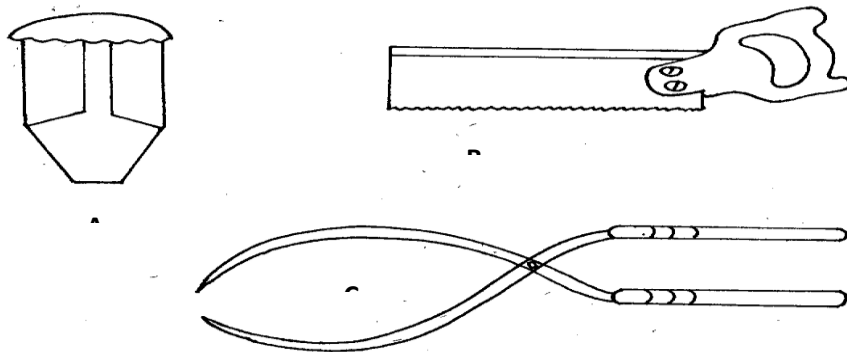
1. a) List **two** dairy goat breeds (1mk)  
b) Give **two** advantages of keeping a Jersey cow instead of a Friesian. (1mk)
2. Give **two** importance of keeping health records in a farm. (1mk)
3. a) What is pica as used in livestock production. (½mk)  
b) State **three** importance of keeping livestock healthy. (1½mks)
4. Name an intermediate host for each of the following parasites.  
i) Tapeworm (*Taenia solium*) (½mk)  
ii) Liver Fluke (*Fasciola hepatica*) (½mk)
5. a) Name the type of breeding system represented below. (½mk)  
Ayrshire Sire x Boran Dam → F1 Heifer x Hereford  
b) Outline **two** characteristics of livestock that are used in mass selection. (1mk)
6. State **four** management practices that would ensure maximum harvest of fish from a fish pond. (2mks)
7. Distinguish between crutching and ringing as used in livestock production. (1mk)
8. Give **four** reasons why young Lambs should be docked (2mks)
9. a) State **three** disadvantages of natural incubation in poultry production (1½mks)  
b) Why is it necessary to supplement domestic poultry diet with grit. (½mk)
10. Name **four** properties of a good vaccine (2mks)
11. State **four** factors considered when formulating a livestock ration. (2mks)
12. Name **two** Larval developmental stages of liver fluke that occur outside the intermediate host. (1mk)
13. List **four** methods of preserving fish after harvesting. (2mks)
14. Mention **three** ways that indigenous livestock farmers use to improve their cattle. (1½mks)
15. Differentiate between

- i) Gilt and Sow (1mk)
  - ii) Marking gauge and mortise gauge. (1mk)
16. Outline **three** possible causes of damage to the hide of cattle when the animal is alive. (1½mks)
17. Highlight **three** functions of ventilation in an animal house. (1½mks)
18. State **four** factors that determine the power output in an animal. (2mks)

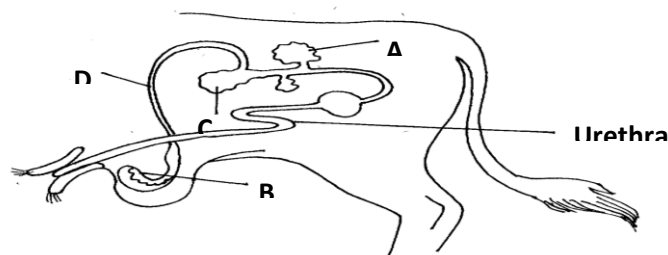
**SECTION B (20MARKS)**

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

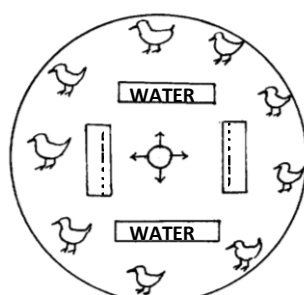
19. The diagram below represents farm tools.



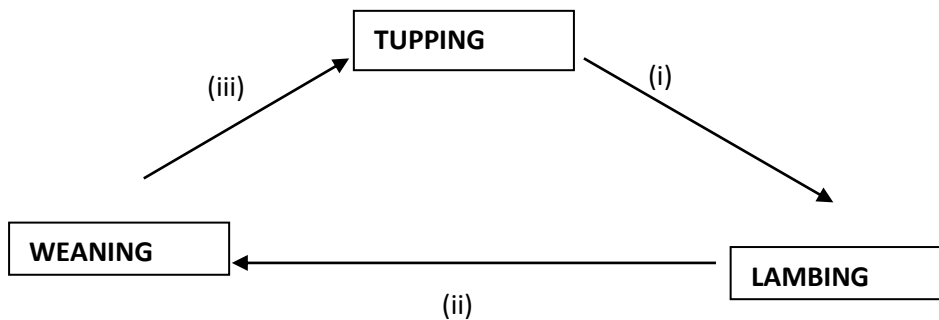
- i) Identify the tools labelled **A** and **B** (1mk)
  - ii) Give **one** use of each of the tools mentioned in (i) above (2mks)
  - iii) Give the **two** maintenance practices which should be carried out on tool **C** (2mks)
20. Study the illustration below and use it to answer the questions below.



- a) Label the parts **A, B, C** and **D** (2mks)
  - b) Give the functions of parts **B** and **C** (2mks)
  - c) Give the name of the part in the animal affected when the animal is attacked by brucellosis. (1mk)
21. Study the diagram below and answer the questions that follow.



- i) Name the structure illustrated above. (1mk)
- ii) Why should structure be round and not rectangular or square shaped. (1mk)
- iii) Describe the heat situation in the structure. (1mk)
- iv) Give **one** reason to support your answer in (iii) above. (1mk)  
 Why is saw dust not suitable for use as litter in the structure. (1mk)
22. Below is a breeding cycle of a ewe in relation to the feeding regime accompanying it. Use it to answer the following questions.



**Answer any two questions from this section in the spaces provided after question 22.**

23. a) Mention **ten** signs Which aspects of nutrition are (3mks)  
 b) Give **two** importance of (i) (2mks)

**SECTION C (40MARKS)**

- a) Five diseases of internal parasites attack in livestock. (10mks)
- b) Explain the factors to consider when planning a farm layout. (10mks)
24. a) Describe **ten** maintenance practices carried out on a tractor (10mks)  
 b) Discuss the management of layers in a deep litter system. (10mks)
25. a) Describe **five** design requirement of a calf pen. (10mks)  
 b) **Describe Milk Fever disease under the following sub headings.**
- i) Animals affected (2mks)
- ii) Symptoms (5mks)
- iii) Control and treatment (3mks)