



MANGU HIGH SCHOOL

NAME: _____

ADM.NO. _____ CLASS: _____

443/2
AGRICULTURE
PAPER 2
MOCK EXAM
JULY 2016
TIME: 2 HOURS

Kenya Certificate of Secondary Education
Mock Exam
Agriculture
Paper 2

INSTRUCTIONS TO CANDIDATES

- (i) This question paper consists of **THREE** sections: **A**, **B** and **C**
- (ii) Answer **ALL** questions in section **A** and **B** and **ANY TWO** questions in section **C**.
- (iii) **ALL** questions should be answered in the spaces provided.

For Examiner's Use Only

Section	Question	Maximum Score	Candidates Score
A	1-21		
B	22 -27		
C	28 - 30		
	TOTAL		

This paper consists of 12 printed pages. Check the question paper to ensure that all pages are printed and no question is missing.

Turn over

Section A: (30 marks)

Answer all questions in the spaces provided

1. Why should smoke be used during the harvesting of honey (½ mk)
2. State **two** qualities of clean (1mk)
3. List **four** physical signs that show that an animal is in a state of good health (2mks)
4. List **five** livestock diseases that are transmitted by parasites (2½ mks)
5. Why is it not advisable to graze animals in or near marshy or waterlogged areas (1mk)
6. Which state of tapeworm life cycle is broken by cooking meat properly before eating it (½ mk)

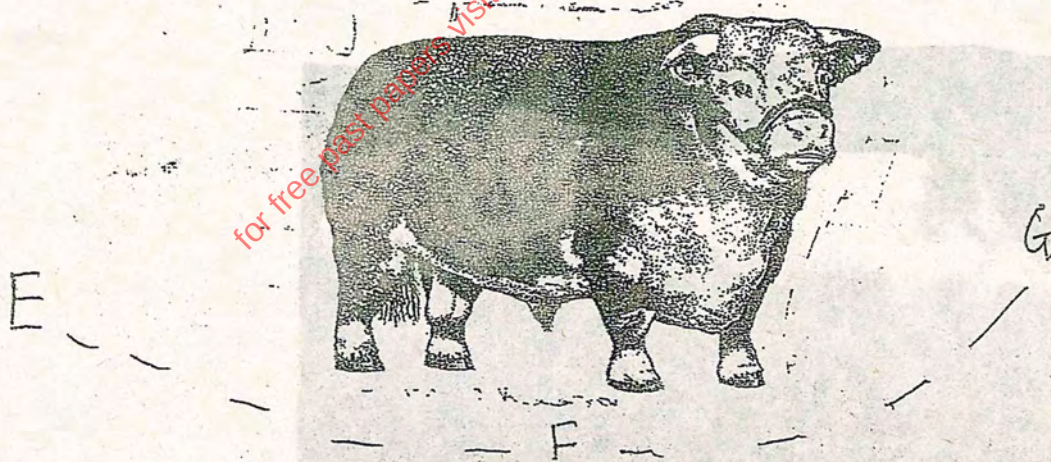
20. State **four** factors that influence the amount of concentrate a lactating animal would eat. (2mks)

21. Give **three** factors that determine the amount of water taken by an animal (1 ½ mks)

Section B (20 marks)

Answer all question in the section in the spaces provided

22. Below is an illustration of a beef steer. A judge moves around the animal making the arc E, F and G. At position E, he examines the rear view (hindquarters) at F, the side view is examined and F he examines the front view of the animal. Study the illustration and answer the following questions.



- (a) (i) For each position list two conformation characteristics the judge should look for (3mks)
Position E

Position F

Position G

- (ii) Using letter R, indicate on the diagram where a bull ring should be fixed on the animal (½ mk)
- (iii) What purpose do bull rings serve on the animal (1mk)
- (iv) Which tool is coupled with the bull ring to restrain a bull on a livestock show parade? (½ mk)

23. The photograph below illustrates one of the common breeds of pigs in Kenya labeled K.

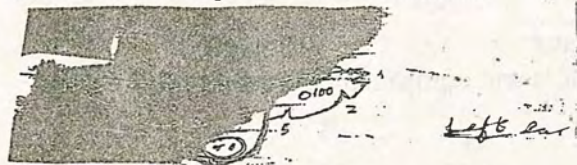


- (i) Identify the breed of pig (1mk)

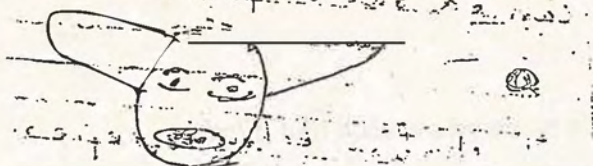
7. State four reasons why vitamins are important in an animal diet (2mks)
8. Why is it recommended to strip the teats of the last drops of milk (1mk)
9. State **two** uses of a tractor gearbox. (1mk)
10. List **two** implements that are connected to the tractor power take off shaft (1mk)
11. List **four** factors that should be considered when grading eggs for marketing (2mks)
12. State **two** reasons for ensuring proper care and maintenance of farm tools and equipment. (1mk)
13. State **two** important characteristics to consider when selecting a beef calf (1mk)

14. Give **two** reasons why it is important to wash a cow's udder with warm water. (1mk)
15. State any **four** causes of a stress in flock of layers. (2mks)
16. State **four** ways by which the quality of honey can be improved (2mks)
17. Give **two** methods of preservation of fish (1mk)
18. State any **two** disadvantages that may arise from inbreeding in livestock production (1mk)
19. List **six** things that are likely to be observed from a cow on heat (3mks)

ii) The illustration P below shows a method of identifying pigs. Study the diagram and answer the questions that follow.

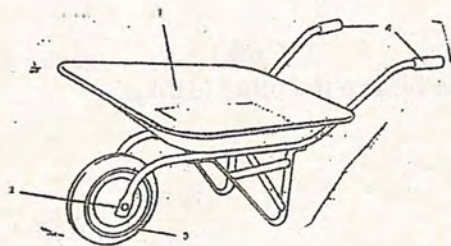


On the diagram Q provided below, draw notch marks to indicate a pig number 147 using procedure of ear notching in diagram Q below. (1mk)



iii) What is the recommended stage of growth in pigs at which ear notching should be carried out. (½ mk)

24. The diagram below illustrates a common farm implement. Study it and answer the questions below.



i) Name the farm implement illustrated above

(½ mk)

ii) What work it is used for in the farm

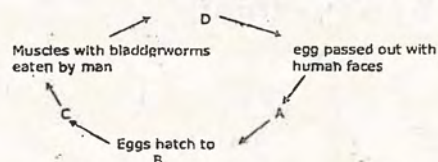
(½ mk)

iii) Name the parts labelled 1-4

1. _____ 2. _____
3. _____ 4. _____

iv) What is the maintenance practices should be carried out on part marked 2?(1mk)

25. The illustration below represents the life cycle of pig (pork) tapeworm (Taenia....

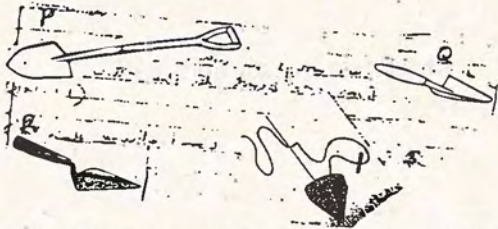


i) Name the stages represented by the letters A, B, C and D.

A _____ B _____
C _____ D _____

(2mks)

26. The diagram below represent common farm tools and equipment labeled P, Q R and S. Study them and answer questions below.



i) Identify the tools/equipment by giving the exact name below each tool (2mks)

P _____ R _____
S _____ T _____

(½ mk)

27. The diagram below shows a chick suffering from a certain disease.



a) Identify the disease

(½ mk)

b) State two ways in which this disease is spread from one bird to the other (1mk)

c) State one way of controlling this disease

(½ mk)

Section C (40marks)

Answer two questions only in the spaces provided

28. Describe the management of sheep starting from preparation for mating up to and including weaning of lambs (20mks)

29. a) Explain the predisposing factors of mastitis in cows. (6mks)

b) Describe how you would recognize that animal has East Coast fever (ECF)

(4mks)

c) Describe the construction of a rabbit hutch under the following subheadings

i) Siting of the hutch (3mks)

ii) Selection of the construction materials (3mks)

iii) Requirements of the hutch (4mks)

30. a) Explain the factors that should be considered to ensure efficient cultivation by Oxen and the ox-drawn plough. (12mks)

b) Describe the operational differences between a disc and a mouldboard plough (8mks)