

Name.....
Adm No.....

School.....

443/2
AGRICULTURE
Paper 2
Jan/Feb 2011
Time:2 hrs

BUNYORE –MARANDA EXAMINATION
KENYA CERTIFICATE OF SECONDARY EDUCATION
AGRICULTURE
PAPER 2
JAN/FEB 2011
TIME 2HRS

Instructions to the candidates

1. The paper consist of three sections A, B and C
2. Answer ALL questions in sections A and B and any TWO in section C
3. ALL the questions must be written in the spaces provided

For examiners use only

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1-16	30	
B	17-20	20	
B	21-23	40	
TOTAL SCORE		90	

Section A (30mks)

Answer ALL the questions in this section

1. State two practices that may be carried out to control diseases among cattle (1mk)
2. a) What is the function of an incubator in poultry management (1/2 mk)
b) Why is it not recommended using sawdust in an incubator (1mk)
c) State two conditions that must prevail in an incubator for its effective function (1Mk)
3. Study the diagrammatic representation of breeding programme below occurring in two stage

Stage 1: Boran cow (R) X Fresian bull (z)



Stage II: offspring cow QX Fresian bull (Z)

- a) identify the specific breeding system at stages I and II
 - b) State two advantages of the breeding system represented by II
4. Which camel breed has two humps? (1mk)
 5. a) What is creep feeding in pig production (1mk)
b) State two advantages of creep feeding in pig production (1mk)
c) State two reasons for high mortality in lambs (1mk)
 6. Give four maintenance practices done to ensure long life of a fish pond (2mks)
 7. State two ways in which feed additives are important in animal nutrition (1mk)
 8. Define the following terms used in livestock health (1mk)
 - i) Notifiable disease
 - ii) Prophylactics
 9. State two factors considered when formulating livestock ration (1mk)
 10. State four symptoms of Newcastle disease in poultry (2mk)
 11. State any four features of an improved grain bins (2mk)
 12. State four ways of controlling the fresh water snails which the intermediate host for liver fluke (2mk)
 13. State the features considered during sorting and grading of eggs (2mk)

14. State five advantages of live fences in the farm (2 ½ mk)

15. State two functions of water in the body of an animal (1mk)

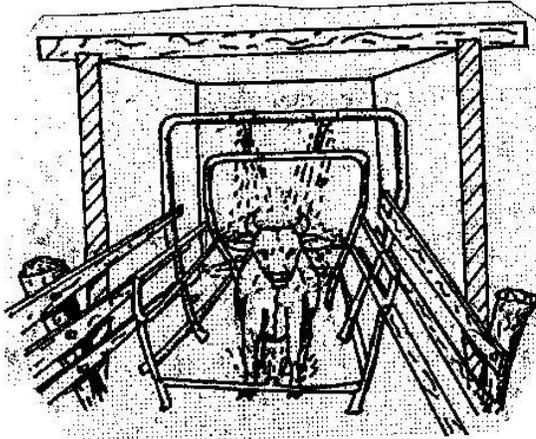
16. In the preparation of artificial colostrums, what is the role each of the following

a) Castor oil (1mk)

b) Cod-liver oil (1mk)

Section B (20mks)

17. Study the livestock production structure below and answer the questions that follow



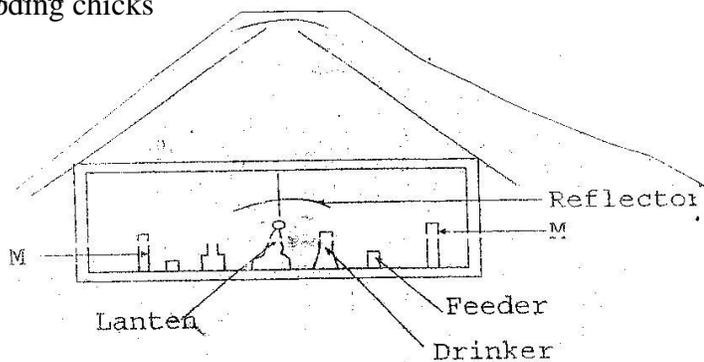
a) Identify the structure (1mk)

b) State the animal status that may necessitate the use of the above structure (1mk)

c) Name another structure that will serve under same conditions as in b) above (1mk)

d) Give one maintenance practice that can be carried out on the structure above to ensure its efficiency (1mk)

18. Below is a diagram showing the cross section of a house and a brooder set for brooding chicks

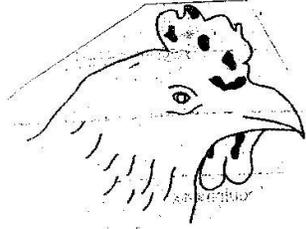


a) What is the purpose of the part labeled M (1mk)

b) Name two materials that would be suitable as litter in this brooder (2mk)

c) State four observations that would be made on the behavior of chicks to determine when the temperature in the brooder is high for the chicks (2mk)

19. Below is a diagram of a cock suffering from a certain disease?



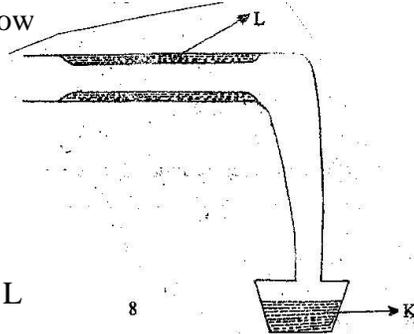
a) Identify the disease the cock is suffering from (1mk)

b) Give two control measures for the disease (2mk)

c) State the cause of milk fever disease in animals (1mk)

d) Define feed additives (1mk)

20. The illustration below shows a livestock production equipment. Study it and answer the questions that follow



a) Identify part K and L

b) What is the most suitable name of the livestock production equipment shown above?

(1mk)

c) State three signs of heat in rabbits

(3mk)

Section C (20mk)

21. Describe the management of female lambs from the time of weaning to the last month of pregnancy (20mk)

22. a) State five factors to consider when selecting construction materials (6mk)

b) Discuss Brucellosis under the following sub headings

i) Casual organism (1mk)

ii) Symptoms (4mk)

iii) Control (5mk)

b) Explain the factors to consider in siting of farm structure (9mk)

c) What is the importance of farm buildings (5mk)

23. Explain the importance of keeping livestock healthy (10mk)