

AGRICULTURE PAPER 2

NYANDARUA COUNTY MID YEAR EXAM 2015

443/2

**SECTION A (30MKS)**

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

1. Name the four common causes of livestock diseases (2mks)
2. Name any four ectoparasites that affect livestock (2mks)
3. Distinguish between cross breeding and upgrading (2mks)
4. Give three signs that would indicate a cow has died of anthrax disease (1 ½ mks)
5. Give the functions of the following parts of a mould board plough (2mks)
  - a) Share.....
  - B) Landslide.....
  - c) Frog.....
  - d) Farrow wheel.....
6. State two reasons why walls of a dairy shed should be with white washed instead of painting (1mk)
7. Name two livestock diseases controlled through Artificial insemination and embryo transplant (1mk)
8. List down four parasites that attack bees (2mks)
9. Name one exotic cattle breed in Kenya which produce milk with the
  - a) Highest butterfat content (1/2 mk)
  - b) Lowest butterfat content (1/2 mk)
10. Give one function of each of the following tools (2mks)
  - a) Pipe wrench.....
  - b) Milk churn.....
  - c) Secateurs.....
  - d) Ball pein hammer.....

11. Explain the following terms as used in livestock diseases (2mks)

a) Anorexia.....

b) Zoonotic disease.....

12. Give a reason for carrying out iron injection in piglets (1/2 mk)

13. Name four routes through which vaccine can be administered into an animal (2mks)

14. Explain the maintenance practices of the following and equipment (2mks)

a) Wheelbarrow.....

b) Panga.....

15. Give three control measures of round worms in livestock (1 ½ mks)

16. Difference between estrous and oestrus cycle (2mks)

17. State four materials and equipment used during milking (2mks)

18. Name a tool used for cutting threads on pipes (1/2 mk)

19. In concrete making we use a ratio of 1:2:3. What do figures 1 and 2 and 3 stand for (1mk)

#### SECTION B (20MKS)

Answer all questions in this section in the spaces provided

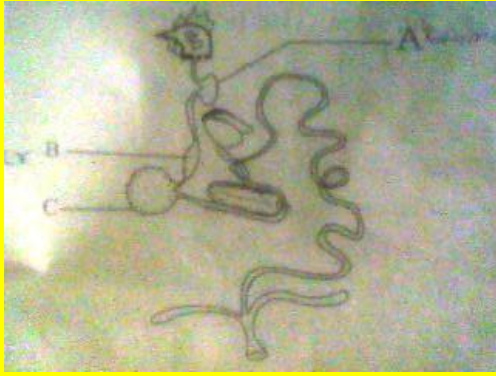
20. Study the illustration below and answer the questions that follow



a) Identify the pig breed (1mk)

b) Outline four characteristics considered when selecting pigs for pork production (4mks)

21. The illustration below represents the digestive system of poultry. Study the illustration and answer the questions that follow.



- a) Name the parts labeled A and B (2mks)
- b) State the function of parts labeled B and C (2mks)
- c) Explain one way which the part labeled C is adapted to its function (1mk)

22. Below is a sketch of a livestock. Study it and answer the questions that follow.



- a) Identify the type of the cattle (1mk)
- b) Explain your reason for the answer in (a) above (2mks)

23. The illustration below represents equipment used in poultry production. Study it and answer the questions that follow.



- a) Identify the equipment (1mk)
- b) Name the parts labeled C and D (2mks)
- c) Explain two reasons for turning the eggs around 180° every 6-8 hours. (2mks)

### **SECTION C (40MKS)**

*Answer any two questions in the spaces provided in this section*

- 24 a) State five disadvantages of natural methods of mating (5mks)
- b) Explain the factors to consider in sorting and grading eggs (8mks)
- c) Describe the effects of parasites in livestock (7mks)
- 25 a) Describe five practices on a calf immediately after birth (5mks)
- b) Describe the causes of swarming in bees (6mks)
- c) Describe five advantages of animal power in the farm (5mks)
- d) Describe four uses of harrows (4mks)
- 26 a) Explain the factors that influence the choice of building materials (10mks)
- b) Explain the predisposing factors of mastitis disease in cattle (6mks)
- c) Describe four factors that may influence the daily feed intake in an animal (4mks)