

NANDI EAST DISTRICT JOINT EVALUATION TEST 2009

443/2

AGRICULTURE

PAPER 2

JULY/AUGUST, 2009

TIME: 2 HOURS

SECTION A: (30 MARKS)

Answer all questions in this section;

1. Give four why it is necessary to use tools and equipment in the farm. (2 marks)
2. Give two functions of ovaries in female cattle. (1 mark)
3. Explain the meaning of the following terms as used in animal production.
 - (i) Bullock:
 - (ii) heifer:
 - (iii) Zoonotic diseases: (1 ½ marks)
4. Give four symptoms of mastitis visible on the black plate in a strip cup (2 marks)
5. Give four advantages of using a spray race over a plunge dip. (2 marks)
6. Give four reasons why it is necessary to feed calves with colostrums (2 marks)
7. State three ways of harnessing tractor power. (1 ½ mark)
8. state four reasons for seasoning timber before use in construction. (2 marks)
9. Outline four ways used in controlling tsetse flies (2 marks)
10.
 - (a) What is an apiary. (1 mark)
 - (b) Name two pests of bees (1 mark)
11. State three advantages of free range system of rearing poultry (1 ½ marks)
12. Give two reasons why teaser rams are introduced to a flock of ewes some weeks before tapping. (1 mark)
13. State four factors that determines water requirement in animals. (2 marks)
14. State three signs of complication during parturition in cattle (1 ½ marks)
15. A boar gained 70kg of live weight after eating 280kg of pig finisher meal over a period of time. Calculate the feed conversion ratio; (2 marks)
16. What is embryo transplant? (1 mark)
17. Differentiate between flushing and steaming up as used in livestock production. (2 marks)

SECTION B: (20 MARKS)

Answer all questions in this section:

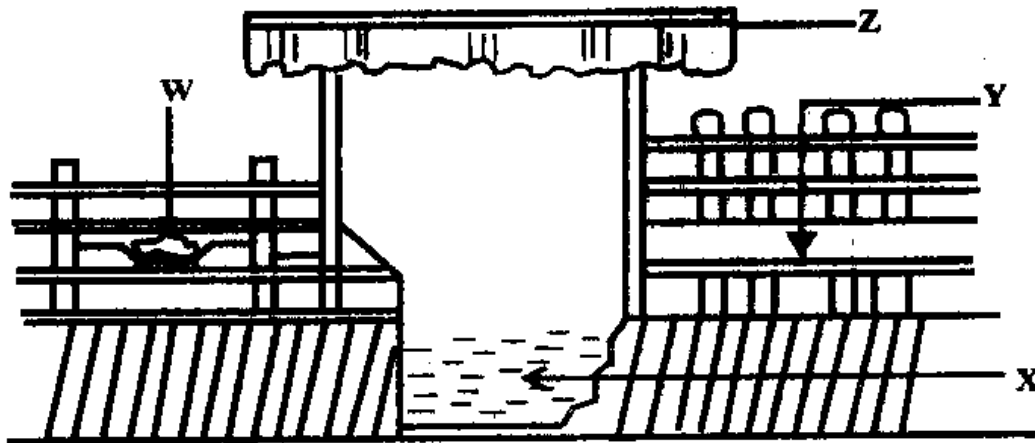
18. Study the diagram of a sheep below then answer the question that follow:

- (a) What operation is usually carried out on the part labeled b (1 mark)
- (b) Give two reasons for carrying out the operation in (a) above. (2 marks)
- (c) At what stage should the operation in (a) above be carried out. (1 mark)
- (d) Name the disease that is likely to affect sheep if the operation on the part labeled A is not carried out. (1 mark)

19. Diagram R, S and T represent farm tools. Study and use them to answer the questions that follow.

- (a) Name the tools
 - R:
 - S:
 - T: (1 ½ marks)
- (b) What are the uses of the tools you have named in (a) above
 - R:
 - S:
 - T: (1 ½ marks)
- (c) State two maintenance practice carried out on tool R. (2 marks)

20 The diagram below represents a farm structure. Use it to answer the questions that follow;



- (a) Identify the structure. (1 mark)
- (b) Name the parts marked W, X, Y and Z (2 marks)
- (c) State four maintenance practices carried out on the structure. (4 marks)
- (d) Name one other farm structure used in the same way as the one above. (½ mark)

SECTION C: (40 MARKS)

Answer any two questions in this section:

21. Discuss anthrax under the following sub-headings; (1 mark)
- (a) Causal agent. (1 mark)
 - (b) Animals affected (3 marks)
 - (c) Control and treatment (6 marks)
 - (d) Outline the causes and control of bloat in livestock (10 marks)
22. (a) Describe management of broilers in a deep litter system (15 marks)
- (b) Discuss the qualities of eggs preferred in the market. (5 marks)
23. (a) What is the aim of tractor servicing ? (2 marks)
- (b) Outline the short term services that are inherent to a tractor. (10 marks)
- (c) Discuss the limitations of animal drawn implements (8 marks)