ANIMAL HUSBANDRY (ALTERNATIVE A)

For candidates in Ghana only

SCHEME OF EXAMINATION

There will be three papers, Papers 1, 2 and 3, all of which must be taken. Papers 1 and 2 will be a composite paper to be taken at one sitting.

PAPER 1: Will consist of fifty multiple choice objective questions all of which must be answered within 1 hour for 50 marks.

PAPER 2: Will consist of six essay-type questions. Candidates will be required to answer four questions within 2 hours for 80 marks.

PAPER 3: Will be a practical paper for school candidates or a test of practical paper for private candidates. The paper will consist of four questions all of which must be answered within 2 hours for 60 marks.

SAMPLE QUESTIONS

PAPER 1

(OBJECTIVE TEST)

1. Microbes in the rumen of farm animals are able to manufacture
   A. vitamin A.
   B. vitamin B.
   C. vitamin D.
   D. vitamin E.

2. Mange is caused by
   A. fleas.
   B. lice.
   C. mites.
   D. ticks.

3. Which of the following animal products is used in the production of buttons?
A. Bone
B. Hoof
C. Horn
D. Skin

4. Parturition in sows is known as
   A. calving.
   B. farrowing.
   C. kindling.
   D. lambing.

5. Which of the following types of chicken requires the highest percentage of protein in its diet?
   A. Grower
   B. Layer
   C. Breeder hen
   D. Broiler hen

6. The average gestation period of a cow is
   A. 114 days.
   B. 145 days.
   C. 210 days.
   D. 280 days.

7. The end product of herbage fermentation in the rumen of a cow is
   A. glucose.
   B. glycerol.
   C. amino acids.
   D. volatile fatty acids.

8. A lamb with a fractured bone would require a feed containing more
   A. calcium.
   B. carbohydrate.
   C. iodine.
   D. iron.

9. Which of the following parasites possesses hooks?
   A. Lice
   B. Tick
   C. Liver fluke
   D. Tapeworm

10. One effect of heat stress on farm animals is
    A. reduced water intake.
    B. increased feed intake.
C. occurrence of abortion.
D. occurrence of oestrus.

**PAPER 2**

**(ESSAY)**

1. (a) State **five** ways of controlling endoparasites in animal production. [4 marks]

(b) Give **three** reasons why it is advisable to provide farm animals with a balanced diet. [6 marks]

(c) Discuss **five** factors that affects the digestibility feed. [10 marks]

2. (a) State **five** objectives of animal improvement. [5 marks]

(b) Mention **five** ways by which farm animals could regulate their farm temperature. [5 marks]

(c) Explain how **each** of the following factors affect animal production in West Africa:
   (i) rainfall;
   (ii) temperature. [10 marks]

**PAPER 3**

**(PRACTICAL)**

1. **List of specimens**

   Specimen A - Electric bulb
   Specimen B - Sawdust

(a) Identify **each** of specimens A and B. [2 marks]

(b) State **two** main purposes for which specimen A is used in a broader house. [2 marks]

(c) Name **two** other equipments that could be used as substitutes for specimen A. [4 marks]
(d) Explain two disadvantages of the use of specimen B as litter material. [4 marks]

PAPER 3

(TEST OF PRACTICAL WORK)

1. The figure 1 below is an illustration of an endoparasite of farm animals. Study it carefully and answer the questions that follow.

(a) Identify the parasite illustrated above. [1 mark]

(b) State two characteristics of the parasite [2 marks]

(c) (i) Name two farm animals that could be infected by the parasite.

(ii) State five effects of the parasite on its host. [7 marks]

(d) State three ways of controlling the parasite. [3 marks]