

3.15.2 Agriculture Paper 2 (443/2)

SECTION A (30 marks)

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

- 1 Name the **two** products obtained from dual purpose sheep. (1 mark)
- 2 Give **two** practices that should be done to a newly born calf with difficult breathing. (1 mark)
- 3 (a) What is meant by the term two host tick? (1 mark)
(b) Give **two** examples of two host ticks in cattle. (1 mark)
- 4 State **four** disadvantages of using plunge dips in tick control. (2 marks)
- 5 (a) State the functions of the following farm tools and equipment:
(i) pipe cutter; ($\frac{1}{2}$ mark)
(ii) wire strainer. ($\frac{1}{2}$ mark)
(b) Name **four** tools that can be used to assemble a jembe. (2 marks)
(c) Name the complementary tool for each of the tools named below:
(i) trochar; ($\frac{1}{2}$ mark)
(ii) hand drill. ($\frac{1}{2}$ mark)
- 6 Name **two** livestock diseases controlled through embryo transplant. (1 mark)
- 7 State **three** factors that limit external parasite control in Kenya. ($1\frac{1}{2}$ marks)
- 8 State **four** characteristics of the Duroc Jersey pig. (2 marks)
- 9 Name **four** categories of poultry feeds according to the stages of growth of birds. (2 marks)
- 10 State **four** ways in which a vaccine can be administered to livestock. (2 marks)
- 11 (a) Name **three** protozoan diseases of cattle. ($1\frac{1}{2}$ marks)
(b) State **four** symptoms of rinderpest in cattle. (2 marks)

- 12 State **four** maintenance practices carried out on a spray race. (2 marks)
- 13 (a) Give **four** reasons for proper feeding in livestock rearing. (2 marks)
- (b) State **four** good hygiene practices in livestock feeding. (2 marks)
- 14 State **four** reasons why kids should be weighed immediately after birth. (2 marks)

SECTION B (20 marks)

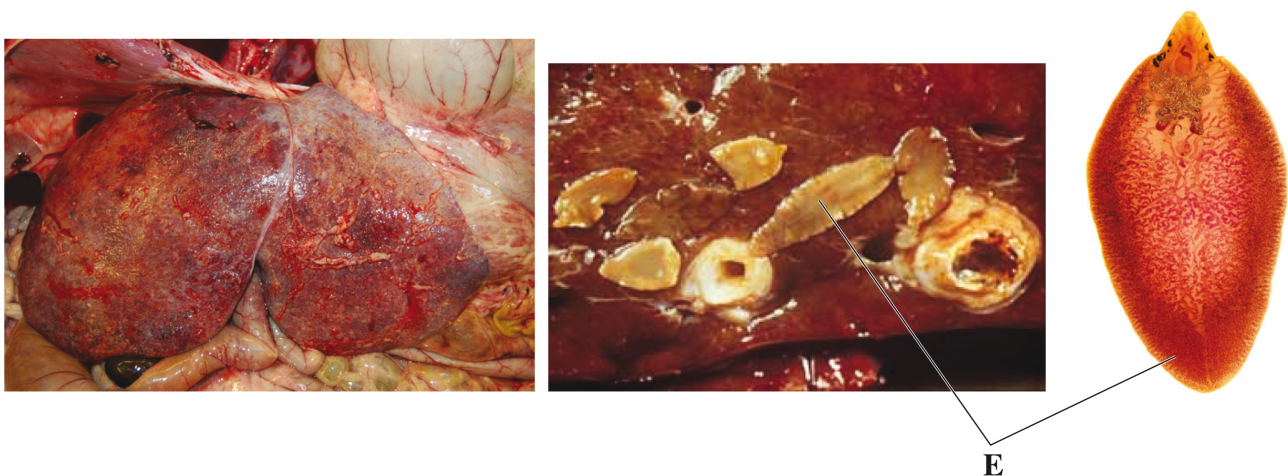
*Answer **all** the questions in this section in the spaces provided.*

- 15 The picture below shows a poultry farm structure.



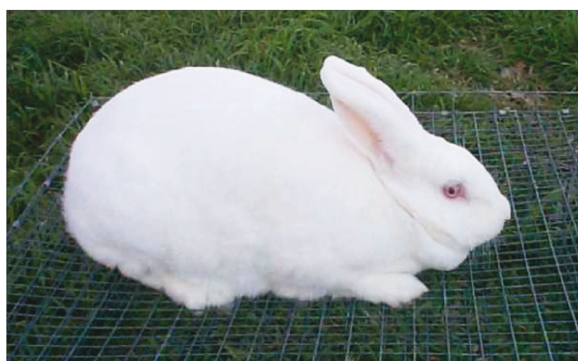
- (a) Identify the farm structure. (1 mark)
- (b) Apart from metal, name **two** materials that can be used for the part labelled **F**. (2 marks)
- (c) State **three** disadvantages of using the farm structure illustrated above in poultry rearing. (3 marks)

16 The picture below illustrates a livestock organ infested by a parasite labelled **E**.



- (a) Name the disease the livestock is suffering from. (1 mark)
- (b) Identify the parasite labelled **E**. (1 mark)
- (c) State **two** control measures for the parasite. (2 marks)
- (d) State **two** signs of infestation shown in the picture above. (2 marks)

17 The pictures below illustrate two rabbit breeds.



A

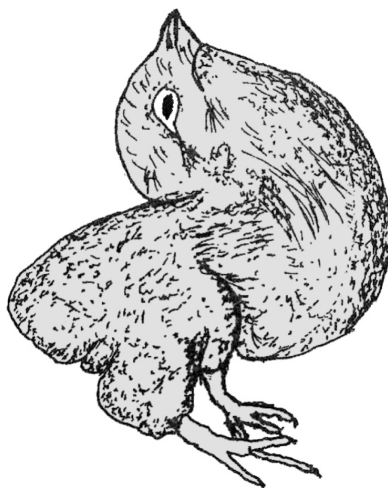


B

- (a) Name the rabbit breeds shown above.
 - A** (1 mark)
 - B** (1 mark)
- (b) Name the major feeding practice missing from the photograph labelled **B**. (1 mark)

- (c) Give **one** advantage of housing the rabbits on the floor illustrated above. (1 mark)

18 The following is an illustration of a chick suffering from malnutrition.



- (a) Identify the mineral deficiency shown by the chick. (1 mark)
- (b) Apart from the symptom illustrated above, give **three** other symptoms of mineral deficiency in poultry. (3 marks)

SECTION C (40 marks)

*Answer any **two** questions from this section in the spaces provided after question 21.*

- 19** (a) Describe upgrading as a method of improving indigenous cattle for milk production. (8 marks)
- (b) Describe the causes of low egg production in layers. (12 marks)
- 20** (a) Describe how the late weaning programme is conducted in a dairy calf. (12 marks)
- (b) Describe how a newly constructed pond is prepared and stocked with fingerlings. (8 marks)
- 21** (a) (i) Describe short-term tractor servicing. (10 marks)
- (ii) Explain the maintenance practices that should be carried out on an ox-cart. (5 marks)
- (b) State **five** indicators that can be observed on a goat to confirm sickness. (5 marks)