

SECTION A (30 marks)

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

- 1 State four differences between Bactrian and Dromedary species of camels.** (2)

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- 2 Give four signs of broodiness in chicken.** (2)

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- 3 State four ways of controlling predators in a fish pond.** (2 m

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- Give four reasons why bees swarm.** (2 ma

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- 5 Give four reasons for placing newly born piglets in a creep area. (2 marks)

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- 6 Give four reasons for hanging green vegetable leaves in a deep litter poultry house. (2 marks)

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- 7 State four signs of heat in rabbits. (2 marks)

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- 8 State four maintenance practices for a barbed wire fence. (2 marks)

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- 9 Name four tick borne diseases of cattle. (2 marks)

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- 10 Give four reasons why calves should be fed on colostrum after birth. (2 marks)

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11 State four ways in which a farmer can generate power on the farm.

(2 marks)

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12 State four physical characteristics of *merino* sheep.

(2 marks)

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13 State four signs of mastitis that are detected using a strip cup.

(2 marks)

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14 State four advantages of a two-stroke engine.

(2 marks)

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15 Name two types of mowers.

(2 marks)

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SECTION B: (20 marks)

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

The following photograph shows an animal infested with an external parasite.



- (a) Identify the parasite.

(1 mark)

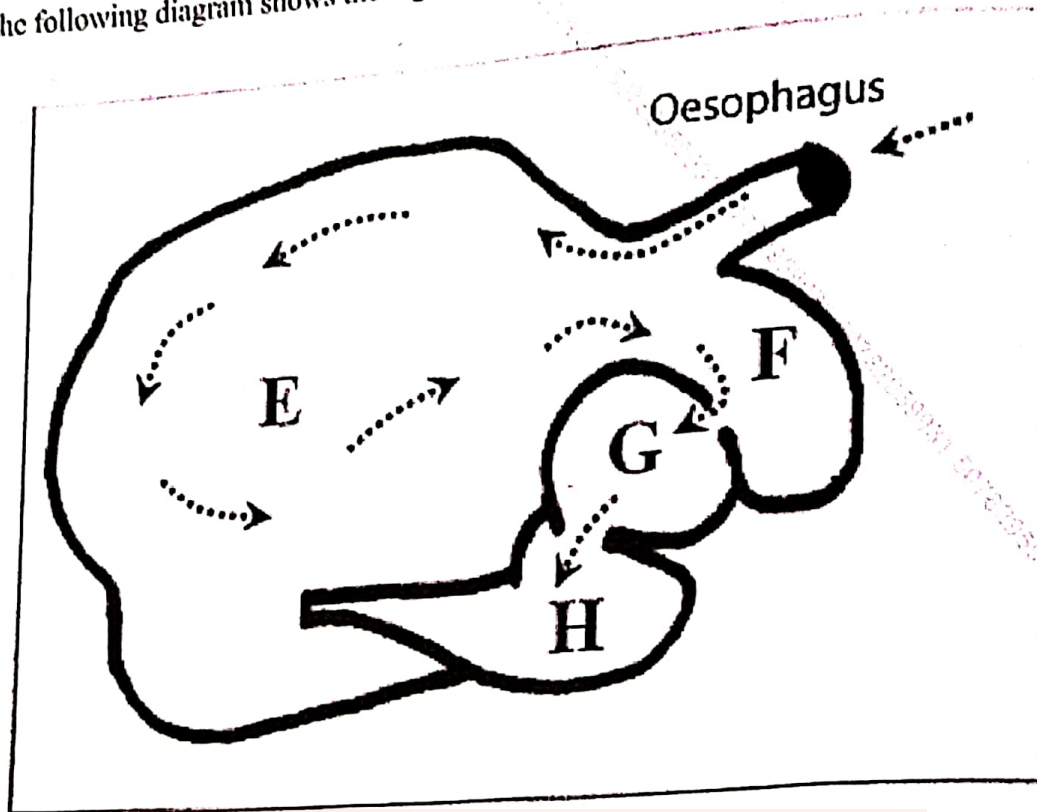
- (b) State three effects of the parasite on livestock products.

(3 marks)

- (c) Give one effective way of getting rid of the parasites on the animal body.

(1 mark)

- 17 The following diagram shows the digestive system of a type of livestock.



- (a) (i) Identify the type of livestock.

(1 mark)

- (ii) Give a reason for the answer in (a)(i).

(1 mark)

- (b) State one function of the part labelled:

E

(1 mark)

H

(1 mark)

- (c) Give one structural difference between the parts labelled F and G.

(1 mark)



- 18 The following picture shows birds in a poultry house.



- (a) Identify the poultry rearing system. (1 mark)
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- (b) The farmer observed that the birds were stressed.
- (i) State **two** likely causes of the stress. (2 marks)
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- (ii) Explain **two** ways in which the farmer can control the stress. (2 marks)
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- 19 The following diagrams show some farm equipment used in livestock rearing.



J



K

- (a) Identify the equipment labelled:

J

(1 mark)

K

(1 mark)

- (b) Give one function of the equipment labelled J.

(1 mark)

- (c) Name the condition that necessitates the use of the equipment labelled K in livestock rearing.

(1 mark)

- (d) State one maintenance practice for the equipment labelled K.

(1 mark)

SECTION C: (40 marks)

Answer any two questions from this section in the spaces provided after question 22.

- 20 (a) A farmer wants to prepare 1000 kg of chick mash containing 20% DCP using maize grain (10% DCP) and fish meal (40% DCP). Using Pearsons square method, calculate the quantity of maize and fish meal the farmer requires. (5 marks)
- (b) Describe five control measures of the intermediate host of liver flukes. (5 marks)
- (c) Describe swine fever disease under the following sub-headings:
- (i) causal organism; (1 mark)
 - (ii) symptoms of attack; (5 marks)
 - (iii) control measures. (4 marks)
- 21 (a) Explain how the milking process should be handled to ensure clean milk production on the farm. (10 marks)
- (b) Give five reasons why Kenyan dairy farmers prefer embryo transplant in cattle breeding. (5 marks)
- (c) Describe five ways of increasing digestibility in livestock nutrition. (5 marks)
- 22 (a) Describe the function of any five parts of a milking shed. (10 marks)
- (b) (i) Describe how a calf is trained to drink milk from a bucket. (5 marks)
 - (ii) Give five advantages of artificial calf rearing. (5 marks)