

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 **four** rabbit breeds reared in Kenya. (2 marks)
- 2 State **four** characteristics of desirable eggs for marketing. (2 marks)
- 3 Name **two** types of roughage. (1 mark)
- 4 Give **four** disadvantages of inbreeding in livestock. (2 marks)
- 5 Name the nutritional deficiency for each of the following livestock diseases:
 - (a) milk fever; ($\frac{1}{2}$ mark)
 - (b) bloat. ($\frac{1}{2}$ mark)
- 6 Give **two** reasons for docking in sheep rearing. (1 mark)
- 7 State **four** signs of fowl typhoid. (2 marks)
- 8 Differentiate between drift and pen lambing. (2 marks)
- 9 State **four** features on the animal which may predispose it to livestock diseases. (2 marks)
- 10 Give **four** factors that affect milk composition. (2 marks)
- 11 State **two** control measures for keds in sheep. (1 mark)
- 12 State **two** maintenance practices carried out on a greenhouse structure. (1 mark)
- 13
 - (a) Name the goat breed which is brown in colour with white strips running down the face to the nose. ($\frac{1}{2}$ mark)
 - (b) State **four** rearing practices that necessitate handling of piglets. (2 marks)
- 14 Give **four** preventive measures for livestock diseases. (2 marks)
- 15 State **one** function of each of the following parts during egg formation in poultry:
 - (a) funnel; ($\frac{1}{2}$ mark)
 - (b) magnum; ($\frac{1}{2}$ mark)
 - (c) isthmus. ($\frac{1}{2}$ mark)

16 The following is a list of poultry breeds:

- White Leghorn
- Light Sussex
- Rhode Island Red
- Ancona.

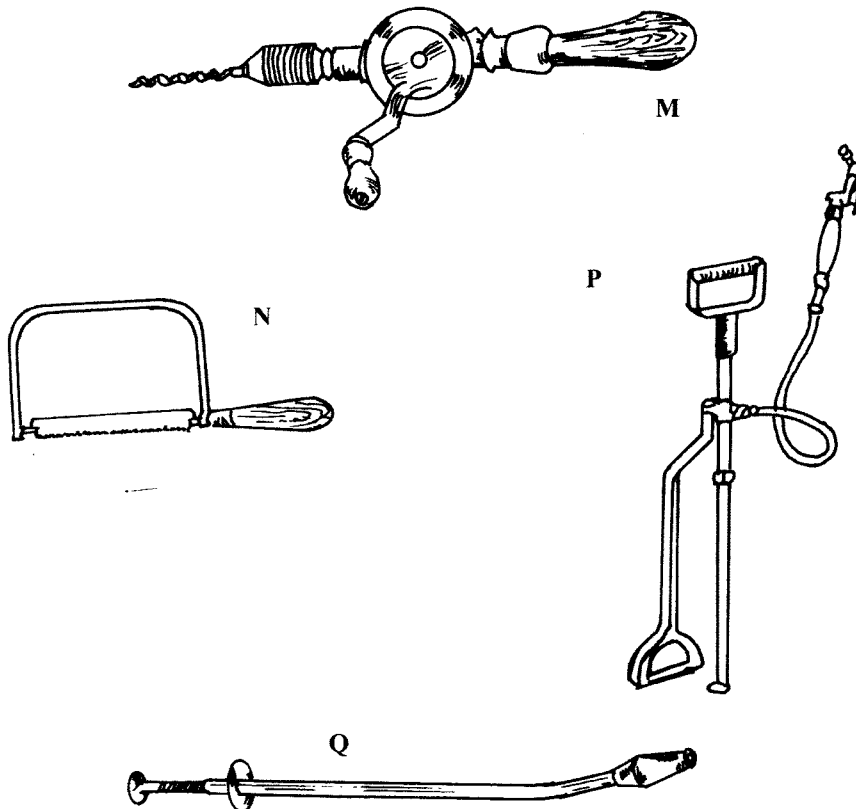
Categorize them into:

- (a) light breeds; (1 mark)
 - (b) heavy breeds. (1 mark)
- 17 State **two** functions of a queen in a bee colony. (1 mark)
- 18 State **four** maintenance practices carried out on a fish pond. (2 marks)

SECTION B: (20 marks)

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

19 The diagrams below represent some farm tools and equipment. Study them and answer the questions that follow.



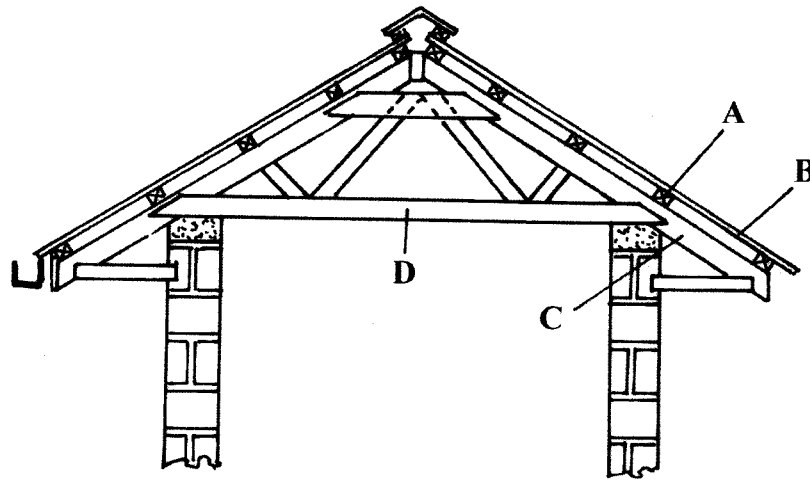
(a) Identify the tools labelled N and P.

N (1 mark)

P (1 mark)

(c) Explain **one** maintenance practice carried out on the equipment labelled P. (1 mark)

20 The diagram below represents parts of a roof.



(a) Identify the parts labelled A and C.

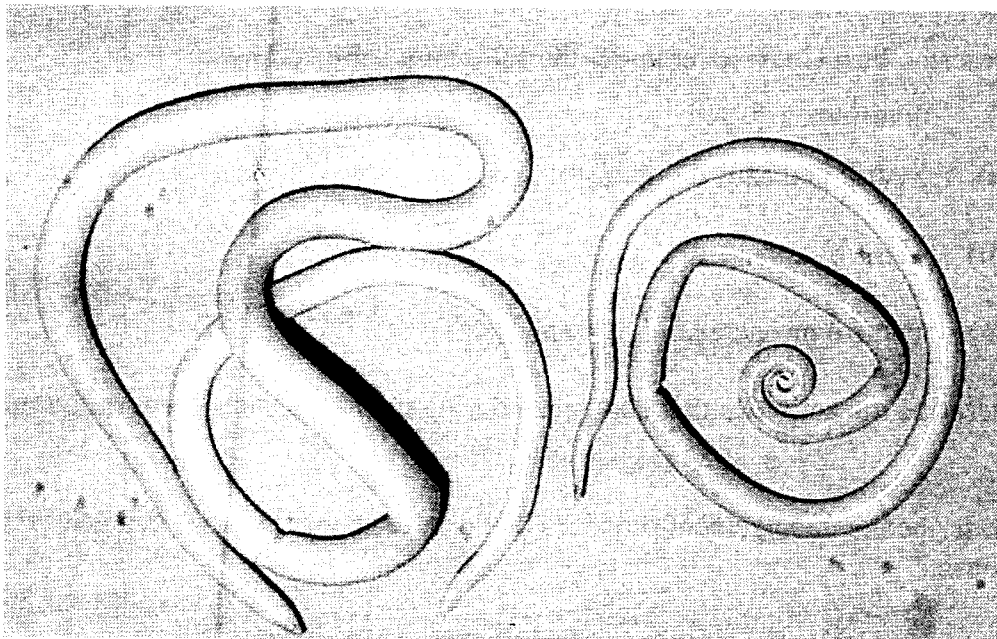
A (1 mark)

C (1 mark)

(b) State **two** types of materials that may be used for the part labelled D. (2 marks)

(c) Give **one** disadvantage of using thatch for the part labelled B. (1 mark)

21 The diagram below illustrates an internal parasite of livestock.

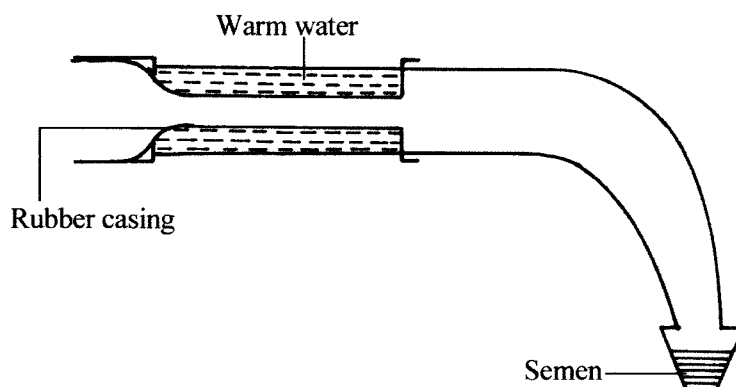


(a) Identify the parasite. (1 mark)

(b) Name **two** common species of the parasite illustrated above. (2 marks)

- (c) State **two** signs of worm infestation that may be observed in the dung of livestock. (2 marks)

22 Below is a diagram illustrating an instrument used in cattle breeding.



- (a) Identify the instrument. (1 mark)
- (b) State the role of the instrument in cattle breeding. (1 mark)
- (c) When would it be appropriate to serve a cow after the onset of heat? (1 mark)
- (d) Apart from the method in which the above instrument is used, name **two** other methods of serving a cow. (2 marks)

SECTION C: (40 marks)

Answer any **TWO** questions from this section in the spaces provided after **question 25**.

- 23 (a) Give the functions of any **five** parts of a poultry egg. (10 marks)
- (b) Describe the uses of **five** materials/equipment required for hand milking. (10 marks)
- 24 (a) Describe East Coast fever under the following sub-headings:
- (i) livestock affected; (1 mark)
- (ii) vector and causal organism; (2 marks)
- (iii) signs of attack; (5 marks)
- (iv) control measures. (2 marks)
- (b) Describe the activities that take place during the digestion process in the rumen. (5 marks)
- (c) Describe the management practices that ensure proper hygiene in a deep litter poultry house. (5 marks)
- 25 (a) State **five** signs of external parasite infestation in livestock. (5 marks)
- (b) Explain **five** factors that should be considered when siting a farm store. (5 marks)
- (c) Describe the cycle of a four stroke petrol engine. (10 marks)