

NAME..... INDEX NO.....

SCHOOL..... CANDIDATE'S SIGNATURE.....

AGRICULTURE

DATE.....

PAPER 2

Nov/Dec 2020

2 HOURS

MOCKS

AGRICULTURE

PAPER 2

2 HOURS

INSTRUCTIONS TO CANDIDATES

- i. Write your name, school and index number in the spaces provided above
- ii. Sign and write the date of examination in the spaces provided above
- iii. This paper consists of three sections: A,B and C
- iv. Answer all the question in section A and B
- v. Answer any two question in section C
- vi. All answers should be written in the spaces provided.
- vii. This paper consist of 9 printed pages
- viii. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

For examiner's use only

| Section | Question | Maximum score | Candidate's score |
|---------|----------|---------------|-------------------|
| A | 1-17 | 30 | |
| B | 18 | 20 | |
| C | | 20 | |
| | | 20 | |
| | | 90 | |

SECTION A (30 MARKS)
(Answer all questions in this section)

1. (a) Give the meaning of vaccination (1/2mark)

.....
.....

(b) State **three** factors that make a lactating cow to withhold milk during milking time (1 1/2mark)

.....
.....
.....

2. Give **two** dehorning equipment (1mark)

.....
.....
.....

3. (a) State **two** advantages of solar power (1mark)

.....
.....
.....

(b) Give **two** types of air cleaners used in a tractor engine (1mark)

.....
.....
.....

4. State **four** safety measures taken when using workshop tools to prevent injury (2marks)

.....
.....
.....
.....

5. Give **four** functions of calcium in dairy cattle (2marks)

.....
.....
.....
.....
.....

6. (a) What is a Zoonotic disease (1/2mark)

.....
.....
.....

(b) Give **two** examples of Zoonotic diseases (1mark)

.....
.....
.....

7. State **three** methods of controlling tsetse flies in Kenya (1 1/2marks)

.....
.....
.....
.....

8. State **four** causes of Cannibalism in poultry production (2marks)

.....
.....
.....
.....
.....

9. Name **three** dual purpose cattle breeds (1 1/2marks)

.....
.....
.....
.....
.....

...

10. Name **four** pests that attack bees (2marks)

.....
.....
.....
.....
.....

11. State **four** predisposing factors of livestock diseases (2marks)

.....
.....
.....
.....
.....

12. State **four** advantages of Artificial insemination (2marks)

.....
.....
.....
.....
.....

13. State **four** factors to consider when selecting a Breeding stock (2marks)

.....
.....
.....
.....
.....

14. State **two** reasons for flushing in sheep management (1mark)

.....
.....
.....

15. Distinguish between cropping and harvesting as used in fish farming (2marks)

.....
.....
.....
.....

16. State **three** signs of parturition in cattle

(1½marks)

.....
.....
.....
.....
.....

17. List **four** qualities of a good wool

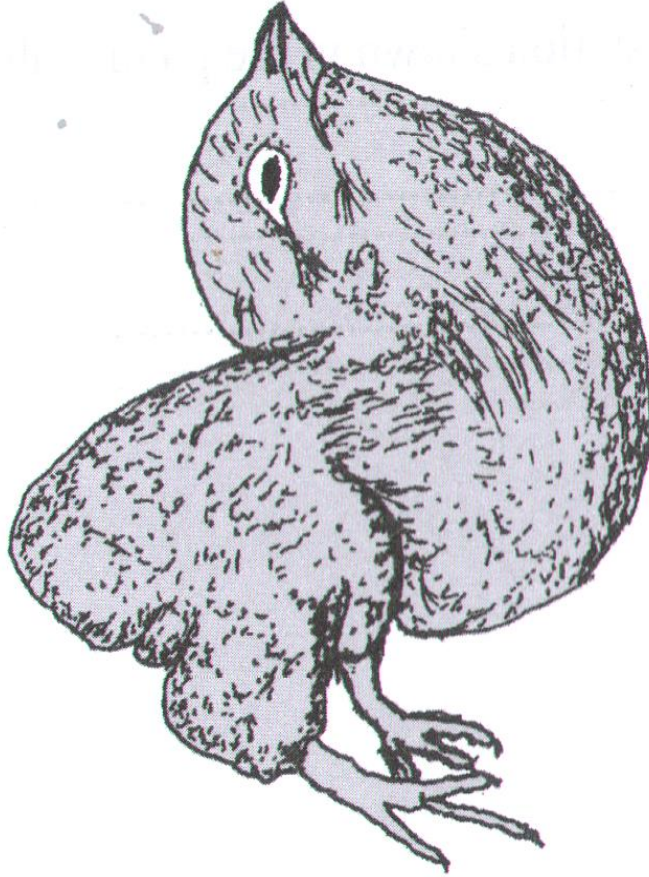
(2marks)

.....
.....
.....
.....
.....
.....
.....

SECTION B (20MARKS)

Answer all questions in this section

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



a) Identify the mineral deficiency shown by the chick. (1mark)

.....

b) Apart from the symptom illustrated above, give three other symptoms of mineral deficiency in poultry. (3marks)

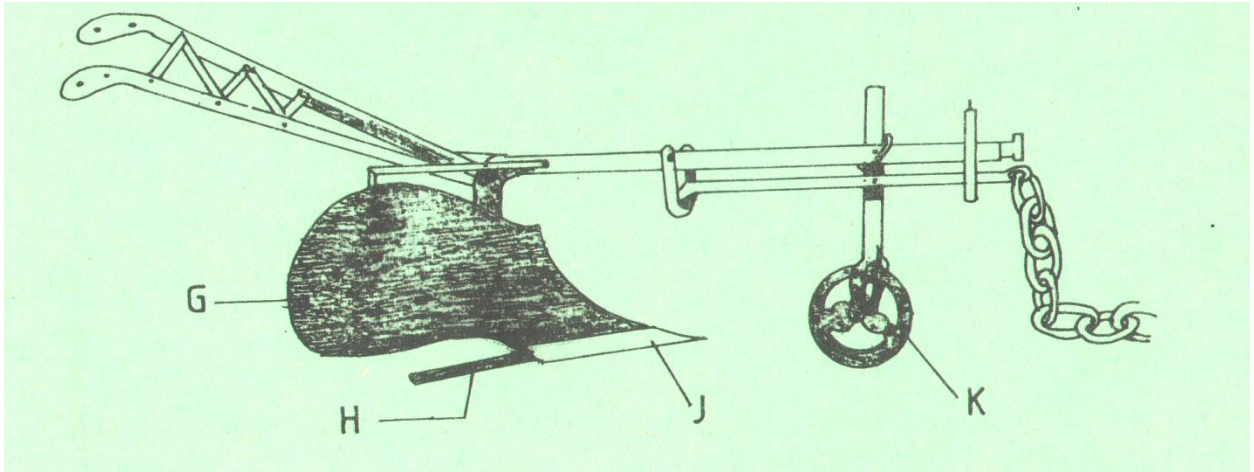
.....

.....

.....

.....

19. The follo The diagram below shows a farm implement. Study it and answer the questions that follow:-



(a) Identify the farm implement illustrated above. (1mark)

.....

(b) Name the parts labeled **G,H,J** and **K** (2marks)

G

H

J

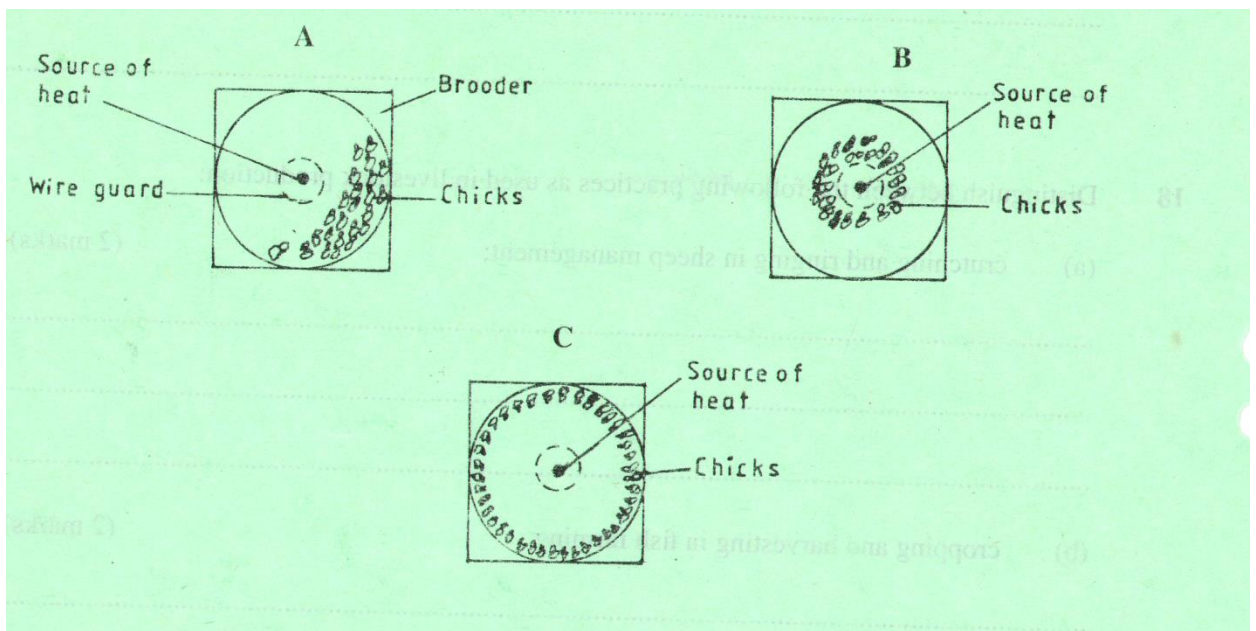
K

(c) State **two** maintenance practices that should be carried out in the implement above

(1mark)

.....
.....
.....

20. The following illustrations show the behavior of chicks in a brooder. Study them carefully and answer the question that follow:-

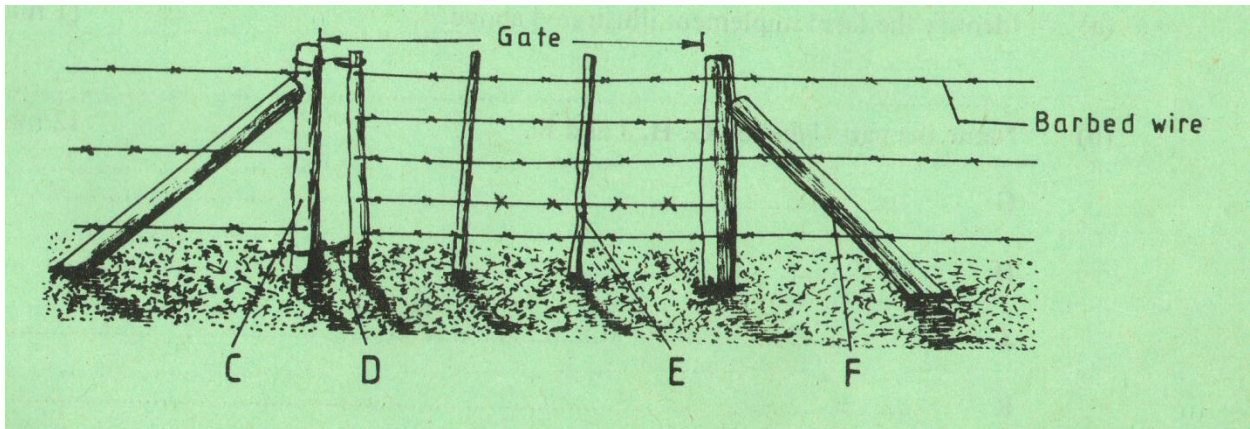


Explain the cause of behaviour observed in chicks for each of the illustration labeled A, B and C (3marks)

- A.....
- B.....
- C.....

21. A dairy farmer is required to prepare 100kg of dairy meal containing 20% Digestible Crude protein (D.C.P). Using the Pearson's square method, Calculate the quantity of soya bean (40% D.C.P) and rice (16% D.C.P) the farmer requires for the dairy meal (4marks)

22. Study the diagram below that show a type of farm gate and answer that follow:



(a) Identify the type of gate shown. (1/2marks)

.....

(b) Name the parts labeled C,D and E (1½ marks)

C.....

D.....

E.....

(c) (i) State **one** function of part labeled F (1mark)

.....

(ii) State two functions of the gate illustrated above (2marks)

.....

SECTION C (40MARKS)

(Answer any two questions from this section)

23. (a) Explain the differences between two stroke and four stroke cycle engine (6marks)
- (a) Compare the use of Ox – drawn Mouldboard plough with that of tractor drawn mouldboard plough (8marks)
- (b) Explain the maintenance practices that should be carried out on an ox-drawn mouldboard plough. (6marks)
24. (a) Explain the factors that should be considered when planning the layout of a mixed farm (7marks)
- (b) Describe the construction of a rabbit hutch under the following subheading
- i. Selection of construction material (4marks)
- ii. Requirement of the hutch (5marks)
- (c) Describe calf scours under control measures (4marks)
25. (a) Explain the causes of stress in poultry production (5marks)
- (b) Describe the management of one day chicks to the end of brooding (12marks)
- (c) Give three signs of heat in rabbits (3marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Ruled lines for writing.

