**NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ INDEX NO\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SIGNATURE**

**3KNT FRATERNITY 2017**

**TERM II FORM IV EXAM**

**AGRICULTURE PAPER 2**

**443/2**

**TIME: 2HOURS**

**Instructions to candidates**

1. Answer all the questions in section A and B
2. Section C has 3 questions choose 2 questions
3. Answer all the questions in spaces provided

|  |  |  |
| --- | --- | --- |
| SECTION | QUESTIONS | MARKS |
| A | 1-21 |  |
| B | 22 |  |
|  | 23 |  |
|  | 24 |  |
|  | 25 |  |
| C | 26 |  |
|  | 27 |  |
|  | 28 |  |

**SECTION A 30MK ANSWER ALL THE QUESTIONS IN SPACES PROVIDED**

1. Name four tools that are used when laying concrete blocks during construction of a wall (2mks)
2. Name the breed of goat which is brown with strips running down to the nose (1/2mk)
3. State four ways of controlling lice in poultry (2mks)
4. Give four disadvantages of inbreeding in livestock production (2mks)
5. State four disadvantages of inbreeding in livestock production (2mks)
6. State four factors that can affect digestibility of a feedstuff in livestock (2mks)
7. Give the difference between a roughage and concentrate in livestock nutrition (1mk)
8. Give two reasons for castration in piglets (1mk)
9. Name four parts of a farm building that can be reinforced using concrete (2mks)
10. Differentiate between a notifiable and a zoonotic disease (1mk)
11. Which organisms causes Newcastle disease in birds (1mk)

b.State four specific symptoms of Newcastle disease (2mks)

c).Give **three** methods of controlling Newcastle disease in chicken (11/2mks)

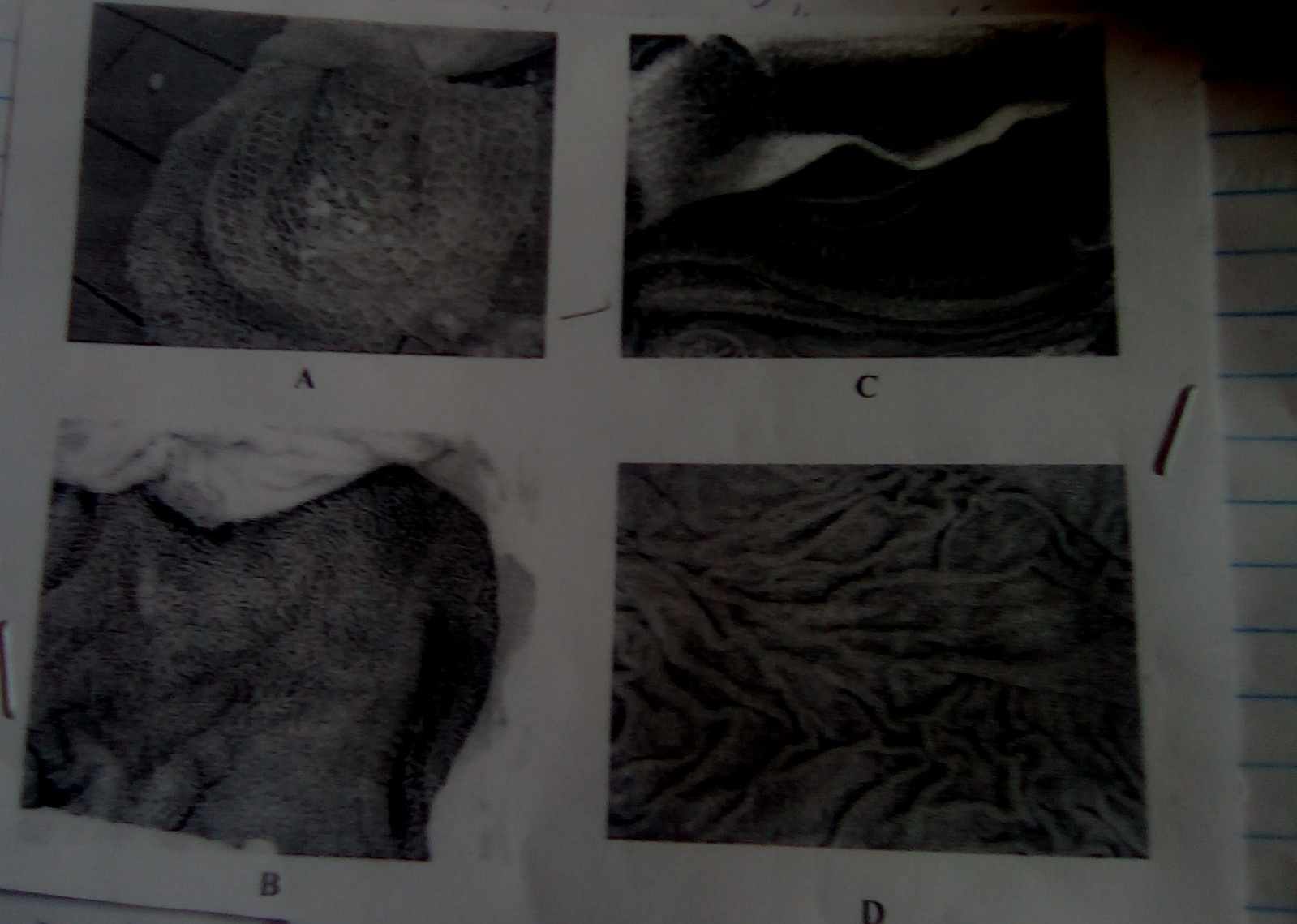
1. Name **two** commercial feeds fed on layers (1mk)
2. State **two** causes of soft shelled eggs (1mk)
3. State **two** disadvantages of fold system in poultry rearing (1mk)
4. Give the main reason for each of the following in dairy farming (11/2mks)
5. Milking quickly and evenly
6. Milking at regular interval
7. Compete milking
8. List down **four** maintenance practices on a mould board plough (2mks)
9. Give t**hree** factors that may lead to conception failure after service in heifers (11/2mk)
10. **State two** factors that can affect digestibility of a feedstuff in livestock (1mk)
11. **Give four** characteristics of a good site for a fish pond (2mks)
12. Name t**hre**e methods of extracting honey from combs (11/2mks)
13. Name **one** feed additives that can be included in livestock diet (1mk)

**SECTION B 20MKS**

**Answer all questions in this section**

1. Below are photographs showing parts of a ruminant stomach.

Study them and answer the questions



1. Identify the parts labeled A and B (2mks)

A

B

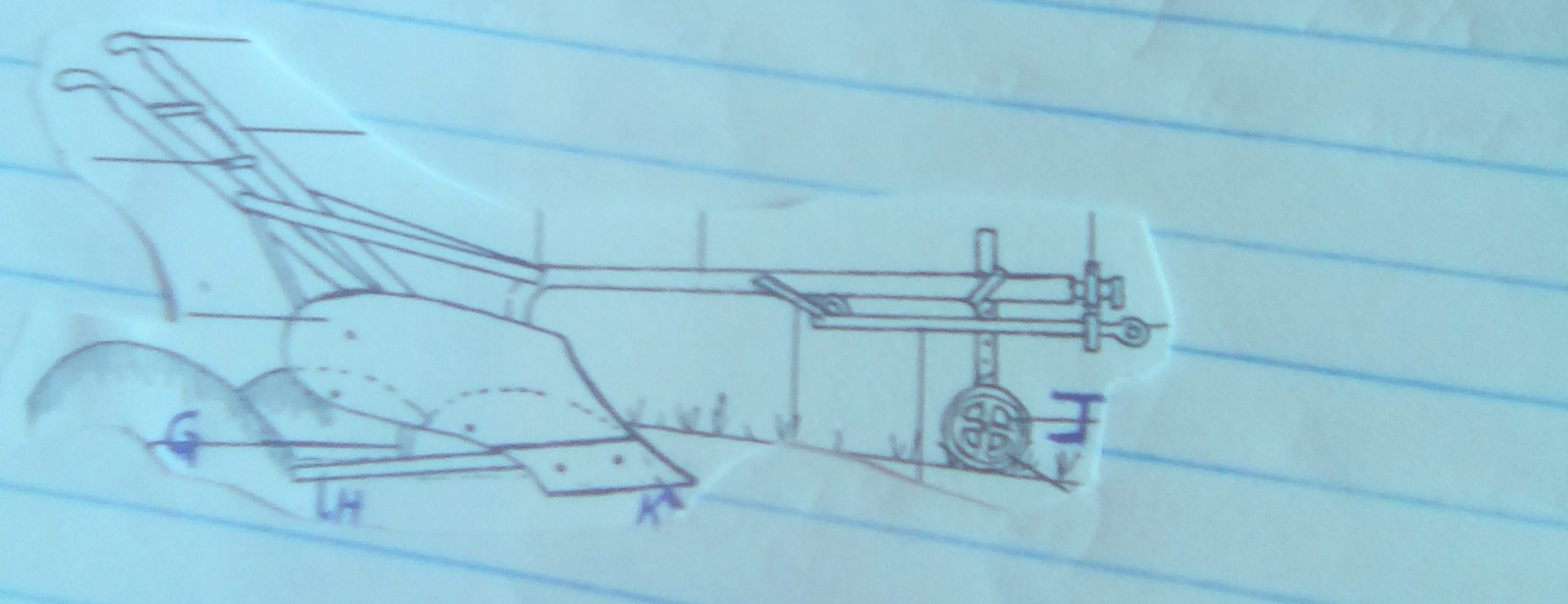
1. State one function of the part labeled (2mks)

A

C

1. Name **one** enzyme that is produced in the part labeled D (1mk)

23. Study the diagram of an ox-plough below and answer the questions that follow.



G

H

**K**

**J**

1. Name the parts labeled G and H (2mks)

G

H

1. State **one** maintenance practice that should be carried out on each part labeled J and K (2mks)

J

K

1. State the function of the part labeled H (1mk)

24. The diagram below illustrates an activity carried out by a poultry farmer keeping layers. Study the diagram carefully and answer the questions that follow.

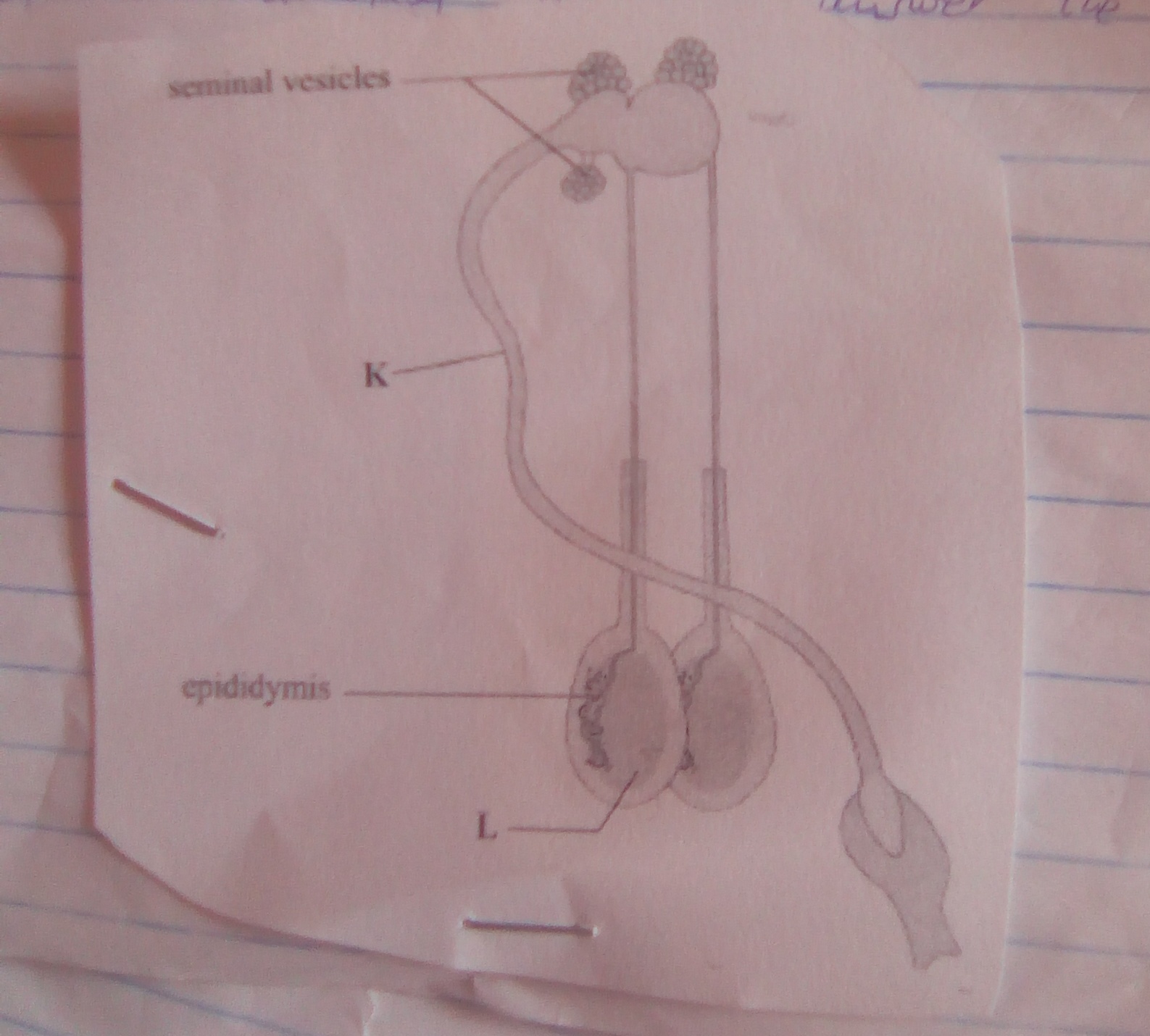


a. Identify the activity carried out using the set up illustrated in the diagram (1mk)

b) List down four preparation that should be carried out to the structure before arrival of day old chicks (2mks)

c) .Name **fou**r materials used in constructing the structure above (2mks)

25. Below is a diagram illustrating the reproductive system of a bull. Study it and answer the questions that follow.



a. Identify the parts labeled K and L (2mks)

K

L

b).State the function of the parts labeled (2mks)

1. Epididymis
2. Seminal vesicles

**SECTION C**

**Answer any two questions from this section in the spaces provided**

25a.Describe the body conformation features of Dairy heifer (5mks

b.State the disadvantages of using live fences on a farm (7mks

c. Describe how a four stroke cycle petrol engine works (8mks

26a.Describe the disease control routine management practices in calf rearing (7mk

b.Describe the contagious abortion (brucellosis) diseases under the following sub-headings

1. Causal organism (1mks)
2. Animals affected (2mks)
3. Symptoms (4mk
4. Control measure (6mks)

27a.State and explain the components of zero grazing unit (14mk

b.Outline six advantages of raising dairy cattle in a zero grazing unit (6mks)