**MID-TERM EXAM**

**TERM ONE FORM FOUR**

**AGRICULTURE**

**TIME: 2 HOURS**

**NAME……………………………………………….. ADM……………….. CLASS……...**

**SECTION A: (30 MARKS)**

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

1. State **four** advantages of artificial incubation. (2 marks)

1. Give **two** uses of a gear box in a tractor. (1 mark)

1. Name **four** tractor drawn implements that are attached to the three-point hitch. (2mark)
2. Give **four** ways of stimulating milk let down in a dairy cow . (2marks)
3. List **two** advantages of Biogas. ( 1mark)

1. Name three temperate dairy goat breed and three light breed of poultry (3 marks)
2. Distinguish between land subdivision and land fragmentation (1mark)
3. List **two** operational differences between a disc and a mouldboard plough(2marks)

1. State **four** factors affecting maintenance requirement of an animal.(2 marks)
2. Mention four methods of breaking seed dormancy. (2marks)
3. Give **four** possible observations during for egg candling. (2marks)
4. State **four** qualities of healthy and clean milking man should have. (2 marks)
5. List **four** characteristics of clean and quality milk.(2marks)
6. Give **four** conditions necessary for artificial incubation.(2marks)
7. Name **four** bacterial diseases affecting cattle.(2marks)
8. State the precautions a farmer should take when using the workshop tools. (2marks).

**SECTION B (20MARKS)**

***Answer all the question in this section in the spaces provided***

1. The diagram below represents an egg. Study it and answer the questions that follow.

 

* 1. Name the part labeled  **B** and **D**. (2 marks)
	2. State two qualities of the part labeled **A** that should be considered when selecting eggs for incubation. (2 marks)
	3. What is the function of the part labeled **D** in a fertilized egg? (1 mark)
1. A farmer wants to prepare a ration for layers containing 18% DCP using maize germ 20% DCP and wheat bran 10% DCP.
2. Calculate using Pearson’s square method the amount of each feed-stuff needed in order to prepare 100kg of feed (5marks)
3. Name **one** other method the farmer can use to compute the ratio (1mark)
4.  Below is a diagram of a farm implement

**A**

**E**

**B**

**D**

1. Identify the implement (1 mark)
2. Label the parts marked **A,B,** and **C** (3 makes)
3. State the functions of the parts labeled **E** and **D (**2marks)
4. The diagrams below illustrate a **four** stroke cycle engine system. Study it and answer the questions that follow



1. State the **four** stages of the four stroke cycle engine **G,H,I** and **J** (2marks)
2. Mention **one** disadvantages of a four stroke engine (1mark)

**SECTION C (40MARKS)**

***Answer only two questions in this section.***

1. a) Outline **six** function of a manager in a farm (6marks)

b) Name **four** factors of production involved in agriculture. (4marks)

c) Discuss the differences between four stroke cycle and two stroke cycle (10 marks)

22. a) Name **five** condition that influence egg eating in poultry (5 marks)

 b) What are factors that cause stress in poultry (5 marks)

 a) What are the advantages of a battery cage system 10marks)

23. a) outline four rules to be observed during milking. (4 marks)

 b) State six materials necessary during milking (6 marks)

 c) . Describe ten general methods of disease control in cattle. (10 marks)