**FORM 4 EXAM END TERM ONE, 2022**

**AGRICULTURE PAPER 2**

**NAME: ……………………….………………ADM NO: …………CLASS: …………..**

SECTION A (30MKS)

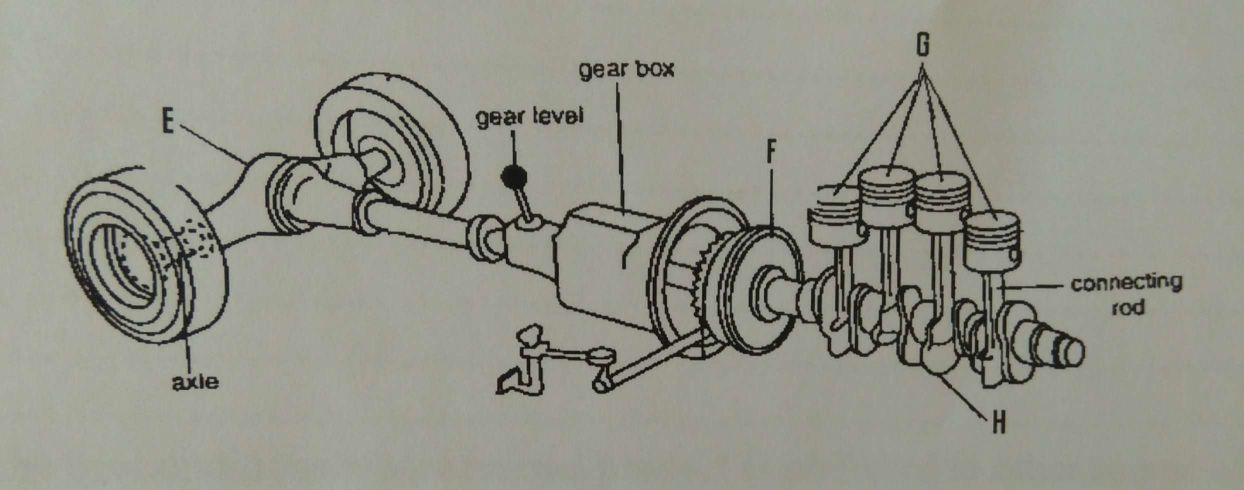
*Answer all questions in this section*

1. Give four methods of administering vaccines in poultry (2mks)
2. State four factors that influence that influencing the choice of poultry rearing system (2mks)
3. Give four characteristics of a good calf pen (2mks)
4. State two causes of egg eating in birds (2mks)
5. State four factors influencing the amount of water consumed by an animal per day (2mks)
6. Give four reasons for treating timber during construction of farm buildings (2mks)
7. Give two reasons for flushing in sheep (1mk)
8. Give two factors that a farmer should consider while grading eggs for marketing (1mk)
9. Give two reasons for culling a breeding boar ( 1mk)
10. List four methods of preserving fish ( 2mks)
11. Give four reasons of breeding in cattle (2mks)
12. State four signs of liver fluke infestation in cattle (2mks)
13. Name any four products of milk (2mks)
14. State three characteristics of clean and high quality milk (11/2 mks)
15. Give three factors that may make birds lay eggs on the floor in a deep litter (1 1/2MKS)
16. Give three factors that affect the quality of honey (1 1/2mks)
17. State any four signs of furrowing observed in sows (2mks)
18. Outline three ways of controlling ticks in livestock production (1 ½ mks)

**SECTION B (20 Marks)**

*Answer all questions in this section*

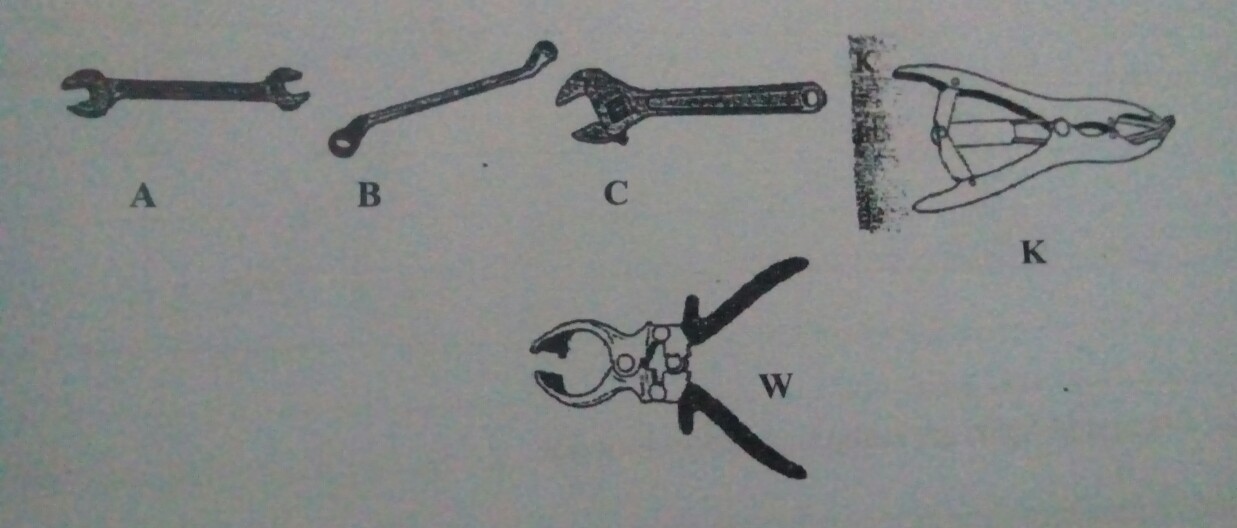
1. Below is a diagram power transmission system of a tractor engine. Study it carefully and answer the questions that follow.



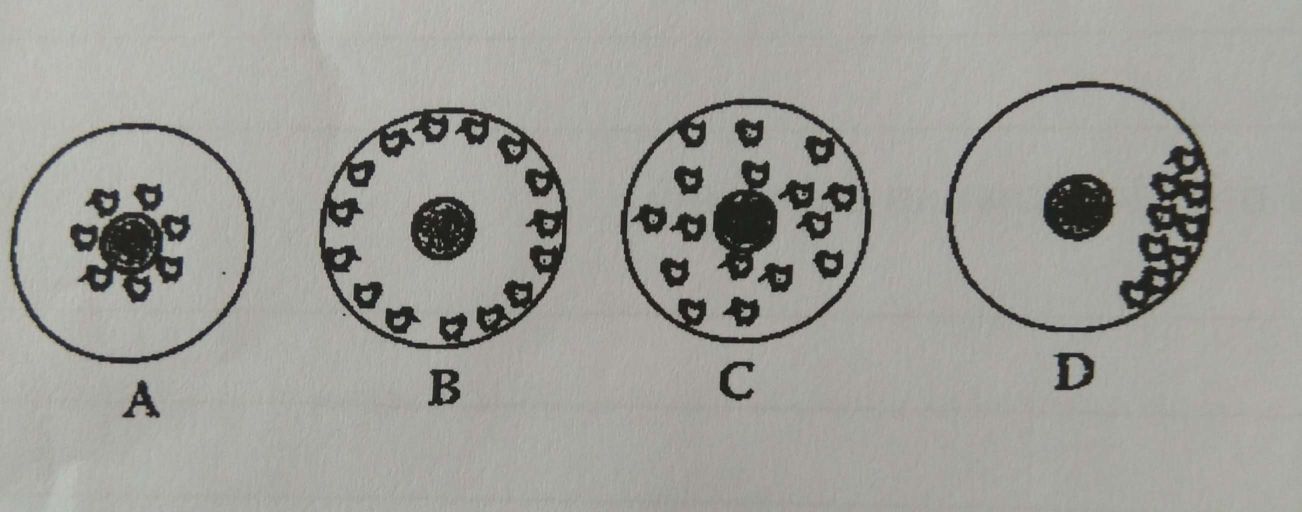
a) Name the Parts labeled E, F, G and H (2mks)

b) State the functions of E and H (2mks)

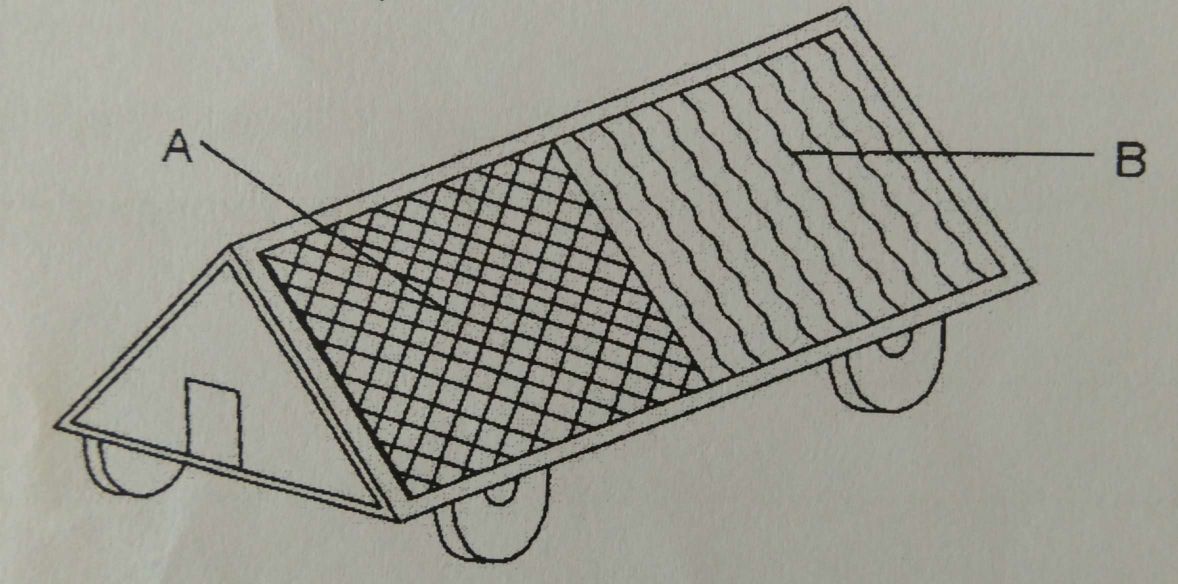
1. The diagrams below show some farm tools, study them and answer the questions that follow.



1. Name the tools (2MKS)
2. State the functional differences between tools K and W (1mk)
3. What advantage does C have over A and B (1mk)
4. State one common maintenance practice carried out on tool C and W (1mk)
5. The illustrations below show the behavior of chicks at different temperatures in the brooder.



1. Explain the temperature conditions in each of the four diagrams A,B,C,D.(4mks)
2. State any four requirements of a good brooder (2mks)
3. Give reasons why dim or dull lights are recommended in brooder (1mk)
4. Below is a diagram representing a farm structure used in poultry production.



1. i)Identify the system represented by the above structure (1mk)

ii) List down four demerits of the above system (2mks)

iii) State the importance of the part labeled A and B (1MK)

**SECTION C (40MKS)**

***Answer any two questions from section***

1. a) Describe the procedure in artificial or bucket feeding in rearing of calves (5mks)
2. Describe the components of a mould board plough (5mks)
3. Describe the essentials of clean milk production(5mks)
4. Explain the procedure in establishment of foundation in farm buildings (5mks)
5. a) State five reasons why bees swarm (5mks)

b) Describe five maintenance practices carried out on a tractor battery (5mks)

c) State signs shown by a cow on heat (5mks)

d) Explain five methods of tick control (5mks)

1. a) State five qualities of eggs for incubation (5mks)

b) Describe the management carried out in artificial egg incubator (5mks)

c) Describe the preparations you would make in brooder before the arrival of day old chicks and their care for the first two days (10 mks)