**NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CLASS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **ADM NO\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**443/2**

**AGRICULTURE**

**FROM: FOUR**

**SECTION A 30 MARKS**

***Answer all the questions in this section***

1. State four features that distinguish indigenous breeds from exotic breeds (2 Marks)

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1. Give four examples of heavy breeds of chicken (2 Marks)

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1. State four reasons for carrying out maintenance practices on a wheelbarrow (2 Marks)

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1. List any four farm tools and equipment that are complimentary in use (2 Marks)

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1. Give 4 symptoms of the Newcastle disease (2 Marks)

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1. State four factors which determine the amount of feeds given to an animal (2 Marks)

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1. Give two functions of crop in poultry digestive system (1 Mark)

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1. A goat ate polythene papers accidentally name the stomach chamber where the papers will be found if slaughtered (1 Mark)

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1. Give two examples of zoonotic diseases (1 Mark)

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1. State 3 reasons why drenching is not an effective method of controlling internal parasites (1 ½ Mark)

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1. Give four maintenance practices that should be carried out on a permanent calf pen (2 Marks)

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1. Outline advantages of using ox-drawn plough over tractor- drawn plough (2 Marks)

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1. State four reasons for carrying out maintenance practices on a wheelbarrow (2 Marks)

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1. Name two non – chemical method of controlling ticks in cattle (1 Mark)
2. State four practices carried out on the fish before preservation ( 2 Marks)

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1. Give four reasons why bees swarm from a hive (2 Marks)

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1. Give the meaning of the following terms as used in livestock breeding
2. Close breeding (½ Mark)
3. Cross breeding (½ Mark)
4. Hybrid vigour ( ½ Mark)
5. Mothering ability ( ½ Mark)
6. Name two methods of serving cows in dairy production (1 Mark

**SECTION B (20 MARKS)**

***Answer all questions in the space provided***

1. The following illustration show behavior of chicks at different conditions in a brooder



1. Explain the conditions in each diagrams A,B,C and D (2 Marks)

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1. Name two other behavior observations on chicks when temperature is very high in the brooder (2 Marks)

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1. The diagram below represents practice of identifying livestock on a farm



1. Identify the practice (1 Mark)

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1. Determine the number that identifies the animal represented by the illustration (1 Mark)

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1. Draw a diagram of the animal identified by the number 148 on the farm (2 Marks)
2. Give two reasons why this method of identification is discouraged in livestock rearing (2 Marks)

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1. The diagram below shows a plunge dip



1. State one sue of each of the parts labeled J,K and L (3 Marks)

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1. State two precautions a farmer should take on the dip to ensure effective dipping (2 Marks)

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1. The diagram below shows a type of silo.



1. Identify the type of silo drawn above (1 Mark)

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1. Give two ways in which overheating can be avoided in the process of structure (2 Marks)

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1. State two causes of silage losses (2 Marks)

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**SECTION C ( 40 MARKS)**

**Choose and answer any two questions from this section**

1. a) Discus the causes of stress in poultry (8 Marks)

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b) Discuss mastitis under the following sub headings

1. animas affected (1 Mark)

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1. causal organism (1 Mark)

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1. symptoms ( 2 Marks)

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1. predisposing factors (4 Marks)

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1. control measures (4 Marks)

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1. a) Explain factors that affect milk composition in dairy farming (10 Marks)

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b) Describe factors considered when selecting breeding stock (10 Marks)

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1. a) Describe the four stroke of an internal combustion engine (16 Marks)

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b) State 4 advantages of four stroke engine (4 Marks)

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