Senior 3 Agriculture   28 May 2020.

1. a) Suggest the reasons for grinding animal feed stuffs.

b) State the major steps involved in ration formulation and balancing.

c) Explain the problems faced in feed formulation and balancing.

2. a) Describe the following methods of selection in livestock breeding;

i. Individual selection
ii. Pedigree selection
iii. Progeny testing

b) Outline the ideal traits of heifer and bulls considered when selecting animals for breeding.

3. a) describe the reproductive system of a bull stating clearly the functions of the different parts labelled.

b) Explain the factors that determine the fertility of a bull.

4. a) Describe the hormonal mechanism controlling the oestrous cycle in cattle.

b) Describe the signs of oestrous in the following farm animals.

i. Goats
ii. Pigs
iii. cattle

5. a) Explain why artificial insemination technology should be encouraged in livestock farming communities of Uganda.

b) What are the constraints to the adoption and development of artificial insemination technology in Uganda?

To be continued later…