

## **Agriculture home study work or assignment-2020**

**Answer all questions including those for S.2 and 3 Below.**

**Feel free to consult.**

- 1 a) Give the differences between Arabica coffee and Robusta coffee. (6 marks)  
b) Describe the procedure of carrying out bud grafting in tree crops (8 marks)  
c) Explain the factors that affect the success of grafting (6 marks)
- 2 a) what are the qualities of a good vaccine? (5 marks)  
b) Explain the factors to consider when planning vaccination of birds (9 marks)  
c) Suggest the precaution taken when vaccinating farm animals (6 marks)
- 3a) Describe the qualities of a good meat for consumption (10 marks)  
b) Explain the factors that reduce meat quality on a farm (5 marks)  
c) How can clean meat be obtained on a beef farm? (5 marks)
- 4 a) Describe the steps of making un-burnt bricks on a farm. (10 marks)  
b) What are the features of a good brick for use on farm structures? (6 marks)  
c) Give four advantages of using concrete blocks on farm structure (4 marks)
- 5a) Explain the conditions required for success of draft technology. (9 marks)  
b) Describe the management practices carried out on traction animals (6 marks)  
c) What are the advantages of using animal drawn implement? (5 marks)

### **Senior Three**

- 1a) 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 labeled.
- 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*

### **Senior Two**

- 1a) State the factors that influence feed wastage in a poultry house
- b) Describe how high quality litter can be maintained in a deep litter house.
2. List down the common poultry disease, their cause, symptoms and how to prevent each from spreading.
3. a) Outline the conditions that encourage each of the following in a laying flock
- b) Describe the factors considered in selecting a poultry breed for commercial egg production
- c) Describe the management of a laying flock to ensure high egg production

**END**

**STAY HOME, WASH HANDS WITH CLEAN WATER AND SOAP, SANITIZE, &  
KEEP A DISTANCE OF AT LEAST 4METRES TO PREVENT COVID-19.**