

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

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

### **Feel free to ask**

- 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)

### **S.3**

- 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
- 2a) 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
- 3a) 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.
- 4a) 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*

## S.2

- 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.
- 3a) 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.**