

ST. STEPHENS COLLEGE BAJJA

S.3 AGRICULTURE

SECTION A

1. a) Flushing is done in sows in order to
- A. Meet the nutritional demands of the sow
 - B. Ease farrowing by the sow
 - C. Prevent nutritional disorders in the sow
 - D. Increase the rate of ovulation in the sow
- b) Which of the following nutrients is responsible for the formation of flowers, seeds and fruits?
- A. Magnesium
 - B. Phosphorus
 - C. Potassium
 - D. Calcium
- c) A trading account is a farm record which shows
- A. The performance of each enterprise on the farm
 - B. Daily entries of purchases and sales.
 - C. All transactions of the year
 - D. The financial position of the farm at a particular date.
- d) Which of the following practices ensures that seedlings get adapted to environmental conditions in the field?
- A. Hardening off
 - B. Pricking out
 - C. Shedding
 - D. Thinning
2. a) Give four ways in which soil PH affects crop growth (04 marks)

.....

.....

.....

.....

.....

b) State any four factors which influence the number of living organisms in the soil. (04 marks)

.....
.....
.....
.....
.....

3. a) Give four advantages of land consolidation (04 marks)

.....
.....
.....
.....
.....

b) Outline any four challenges facing land consolidation in Uganda. (04 marks)

.....
.....
.....
.....
.....

c) Give any four causes of land fragmentation in Uganda. (02 marks)

.....
.....
.....
.....
.....

PART II
SECTION: ANIMAL PRODUCTION

4. a) Outline the signs of calving down in a cow. (10 marks)
- b) What management practices should be carried out on a calf from birth to weaning? (10 marks)
5. a) What are the effects of diseases on livestock production? (05 marks)
- b) Explain ways in which diseases are spread in livestock. (15 marks)
6. a) Describe any three methods of calf feeding (06 marks)
- b) Give reasons for carrying out the following practices in managing in calf cows
- i) Steaming up (04marks)
- ii) Drying off (04marks)
- c) Describe how you can train a calf to drink from a bucket. (06 marks)

SECTION II: CROP PRODUCTION

7. a) Define crop rotation. (02 marks)
- b) Explain the factors considered when planning a crop rotation programme. (12 marks)
- c) Given three plots, design a three-year crop rotation plan using crops; maize, beans and cassava. (06 marks)
8. a) Outline the conditions that will ensure maximum effectiveness of herbicide use (08 marks)
- b) Explain the precautions that should be taken when using herbicides (12marks)
9. a) Give the advantages of growing cereal crops. (06 marks)
- b) Explain the factors considered when selecting a crop to grow. (14 marks)

END