

MID TERM 1 EXAMINATION 2019
S.4 AGRICULTURE
TIME: 2 HOURS

INSTRUCTIONS

Answer all questions from part A in the spaces provided

Answer at least one question from each section of part B

PART A

Circle the best alternative

1. a) Which one of the animal diseases below is caused by a fungi?
A. Ring worm B. Foot and mouth disease C. Nagana D. new castle
- b) Fat soluble vitamins include the following except
A. Vitamin A B. vitamin E C. vitamin K D. vitamin C
- c) Which one of the following is not a field pest?
A. Bean fly B. maize weevil C. maize stalk borer D. Aphids
- d) The process by which nitrogen is lost from the soil back to the atmosphere
by the action of living organisms is termed as
A. Leaching B. Denitrification C. absorption D. Nitrogen fixation

2a) Outline the objectives of primary cultivation (6mks)

- i)
- ii)
- iii)
- iv)
- v)
- vi)

b) What factors favour the use of ox-ploughs in land preparation (4mks)

- i)
- ii)
- iii)

iv)

3a) outline the characteristics of a good fertilizer (3mks)

i)

ii)

iii)

b) outline the different methods of fertilizer application. (3mks)

i)

ii)

iii)

iv)

v)

vi)

PART B

SECTION I

SOIL SCIENCE

4a) Describe the causes of soil erosion on arable land (8mks)

b) Explain the cultural methods of controlling soil erosion (12mks)

5a) Describe the procedure followed to make compost manure using the indore method (12mks)

b) Give the advantages of using organic manure in crop production (8mks)

SECTION II

CROP PRODUCTION

6a) Discuss the damage caused by insects to crops(8mks)

b) What general measures can be taken to control crop pests? (12mks)

7a) Define crop rotation (2mks)

b) Describe the advantages of crop rotation (6mks)

c) Explain the factors considered in planning a good crop rotation programme (12mks)

SECTION III

ANIMAL PRODUCTION

8. Discuss the advantages and limitation of artificial insemination in Uganda (20mks)

9a) Describe the surgical method of castrating a bull calf (8mks)

b) Of what importance is castration of bull animals in a herd? (12mks)

END

GOOD LUCK