

EXTERNAL PAPER
B.O.T II EXAMS
S.3 AGRICULTURE EXAMINATIONS (THEORY PAPER)
TIME: 2 ½ HOURS

NAME:.....STREAM:.....SIGN:.....
...

PART A

Answer all questions in part a for question one write the letter corresponding to the best answer in the corresponding box.

For questions 2-5, write all the answers in the spaces provided.

1a) which of the following is a legume pasture species?

- A. chloris gayana
- B. signal grass
- C. guinea grass
- D. green leaf desmodium

b) Which of the following is odd?

- A. beans B. cow peas C. sim sim D. pigeon peas

c) All the following are methods of fertilizer application except

- A. irrigation B. top dressing C. leaching D. broadcasting

d) The correct term used to refer to a pregnant cow is

- A. labor pain B. in-calf C. gestation D. lactation

2. State four advantages of growing grass-legumes mixture in a dairy farm

- i)
- ii)
- iii)
- iv)

3a) give four advantages of intercropping crops

- i)
- ii)
- iii)
- iv)

b) Give four disadvantages of intercropping crops

- i)
- ii)
- iii)
- iv)

4. State four functions of humus in the soil

- i)
- ii)

- iii)
- iv)

5. State five factors which favor the local breeds of cattle in tropics as opposed to exotic breeds of cattle.

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

PART B

Answer all questions

6a) state the role of artificial insemination in animal breeding.

b) What are the limitations of artificial insemination?

7a) describe the care you would give to a maize crop right from seed bed preparation to harvesting time.

PRACTICAL QUESTIONS-Answer all questions

8a) you are provided with specimens A and B. get a small amount of A and moisten it with a little water. Rub it between your index finger and thumb.

- i. describe the feeling of the specimen
- ii. Repeat the same procedure with specimen B and describe the feel of the specimen.
- iii. Suggest the type of soil each specimen is

A.....

B.....

b) Measure 50cm³ of specimen A in a 100cm³ measuring cylinder. Stir the contents well with a glass rod and leave to settle.

i. records the volume of the contents in the cylinder, in the table below. Repeat the procedure with specimen B

sample	Volume of contents after settling
A	
B	

ii. Explain your results

iii. Which of the two specimens A and B is better for crop growth?

Give a reason

iv. Suggest how you can change specimen A so that it resembles specimen B.

9. You are provided with specimen C1, C2, C3, and C4. Examine them and answer the questions which follow

specimen	identity	propagation
C1		
C2		
C3		
C4		

10. You are provided with specimen D1, D2, D3, D4, D5and D6. Examine them and state their roles in calf rearing.

specimen	identity	Role in calf rearing
D1		
D2		
D3		
D4		
D5		
D6		