

NAME:		INDEX NO:	
SCHOOL:		SIGNATURE:	

527/1
AGRICULTURE
Paper 1
August, 2019
2 ½ hrs



UNNASE MOCK EXAMINATIONS

AGRICULTURE

PAPER 1

TIME: 2HOURS 30MINUTES

Instructions

- *Attempt all questions in section A and any other four*
- *Choose at least one from each section.*

SECTION A

(a) Flood un controlled irrigation is commonly used to irrigate

- A. Rice
- B. Yams
- C. Fruit trees
- D. Coconut trees

(b) Which one of the following is an example of a two host tick in cattle?

- A. Blue tick
- B. Red legged tick
- C. Brown ear tick
- D. Bont tick

(c) A high soil PH can best be corrected by:

- A. Application of acidic fertilizers
- B. Application of alkaline fertilizers
- C. Application of lime
- D. Application of Ammonium Sulphate

(d) A layer hen was found laying soft shelled eggs, which of the following parts of its reproductive system was mal functioning?

- A. Magnum
- B. Uterus
- C. Isthmus
- D. Vagina

2. (a) State four causes of pasture deterioration on a mixed farm. (2marks)

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

(b) Give four management practices that are done on an established pasture for improvement. (2marks)

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

3. (a) Give four qualities of a good soil for farming. (4marks)

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

(c) Show four ways in which a given soil may lose its fertility. (4marks)

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

4. (a) List three qualities of agricultural products. (3marks)

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

(b) Give three problems faced in the marketing of agricultural products. (3marks)

- (v)
- (vi)
- (vii)
- (viii)

SECTION B (ANIMAL SCIENCE)

5. (a) Explain the factors that influence milk yield from dairy goats. (10marks)
- (b) Show the various ways in which clean milk can be obtained from dairy goats. (10marks)
6. (a) Show the reasons for keeping farm animals healthy. (10marks)
- (b) Explain the appropriate practices of handling sick farm animals. (10marks)
7. (a) State the objectives of breeding animals. (5marks)
- (b) Explain the factors to consider when selecting animals for breeding. (10marks)
- (c) Show the various methods that farmers use to maintain a high breeding efficiency. (5marks)

SECTION C (SOIL AND CROP SCIENCE)

8. (a) Explain the various ways in which a farmer can bring back wasted land to use. (10marks)
- (b) State five advantages of sprinkler irrigation. (5marks)
- (c) Show five factors one has to consider when choosing an irrigation method. (5marks)
9. (a) State five advantages of using chemicals to control weeds. (5marks)
- (b) Explain the various factors that influence the selectivity of herbicides applied in a mixed plant population. (10marks)
- (c) Outline five precautions a farmer has to undertake to ensure effectiveness of herbicides. (5marks)
10. (a) Explain the qualities of a good soil for farming. (10marks)
- (b) Show the various ways in which a given soil may become unproductive for farming practices. (10marks)

SECTION D – FARM MANAGEMENT

11. (a) Explain reasons why prices of agricultural commodities are unstable overtime. *(10marks)*
- (b) Show the various ways in which farmers may safe guard themselves against the unstable prices of agricultural products. *(10marks)*
12. (a) Explain the essential features of a good plunge dip. *(10marks)*
- (b) State five precautions that must be taken when using a plunge dip to control ticks. *(5marks)*
- (c) Give five advantages of using a plunge dip the control of ticks. *(5marks)*
13. (a) Explain the adaptations possessed by a radiator to function in a cooling system. *(5marks)*
- (b) State reasons why water is used as a universal coolant in engines. *(5marks)*
- (c) Describe how a water cooling system plays its role of cooling farm engines. *(10marks)*

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