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School: Signature:

527/1
PRINCIPLES
AND PRACTICES
OF AGRICULTURE
(Theory)
Paper 1
July 2018
2¹/₂ hours

MAKERERE MODERN SECONDARY SCHOOL
Uganda Certificate of Education
INTERNAL MOCK 2018
PRINCIPLES AND PRACTICES OF AGRICULTURE

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- *Answer all questions in section A and four questions in section B, choosing at least one question from each of the sections I, II, III of section B.*

FOR EXAMINER'S USE ONLY		
QUESTIONS	MARKS	EXAMINER'S NUMBER
PART A		
PART B Qn.		
Qn.		
Qn.		
Qn.		
TOTAL		

1. (a) What causes brown streak disease in Cassava?

Turn Over

- A. Bacterium
- B. Aphid
- C. Virus
- D. Fungus

- (b) Which one of the following is a deficiency disease?
- A. Milk
 - B. Bloat
 - C. Trypanosomiasis
 - D. Heart water.
- (c) How can price fluctuation be solved?
- A. Through transport improvement.
 - B. Through market diversification.
 - C. Through advertisement.
 - D. Through production diversification.
- (d) How can the concentration of acaricide be lowered in a dip?
- A. Through dipping on a rainy day.
 - B. Through overusing the acaricide.
 - C. Through replenishing regularly.
 - D. Through leaving the drainage pipe open.

(02 marks)

2. (a) Mention three conditions that the animals suffer from bloat. (03 marks)

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

- (b) State two methods that can be used to treat bloat. (02 marks)

- (i)
- (ii)

3. Outline five factors that affect the demand of the commodity. (05 marks)

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

4. State four functions of lubricants. (04 marks)

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

5. Give reasons for pruning crops. (04 marks)

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

PART B: (80 MARKS)

SECTION I

MECHANISATION AND FARM MANAGEMENT.

- 6. (a) State the activities involved in the marketing of agricultural produce. (10 marks)
- (b) Outline the problems of marketing Agricultural produce. (10 marks)
- 7. (a) Why is a tractor important on the farm? (08 marks)
- (b) State the differences between petrol engines and diesel engines. (12marks)
- 8. (a) Describe the features of a good calf pen. (14 marks)
- (b) Why is a crush important on the farm? (06 marks)

SECTION II

CROP PRODUCTION

- 9. (a) Distinguish between seed dormancy and seed viability. (02 marks)
- (b) State the main causes of seed dormancy. (06 marks)
- (c) Describe the various methods of breaking seed dormancy. (12 marks)
- 10. (a) State the characteristics of a good green manure crop. (06 marks)
- (b) Describe how green manure is produced on the farm. (10 marks)
- (c) State the advantages and limitations of using green manure. (04 marks)
- 11. (a) State the qualities of a good pasture specie. (08 marks)
- (b) Describe how pastures can be improved. (12 marks)

SECTION III

ANIMAL PRODUCTION

- 12. (a) State the objectives of breeding farm animals. (10 marks)
- (b) Describe the methods farmers use to maintain a high breeding efficiency. (10 marks)
- 13. (a) Describe how you can use a surgical method to castrate a calf. (12 marks)
- (b) Why is castration carried out on the farm? (08 marks)
- 14. (a) State the characteristics of a good layer. (06 marks)
- (b) State the advantages and disadvantages of a deep litter system. (14 marks)

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