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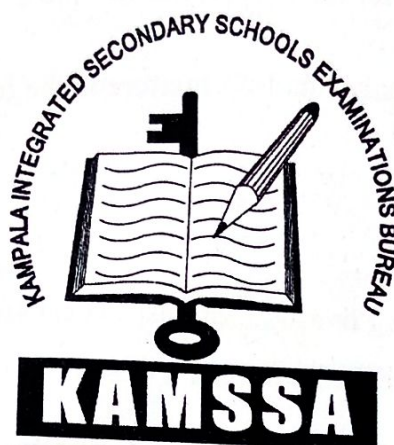
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**Principles &
practices of
agriculture
(Theory)**

Paper 1

July/Aug 2023

2 hours 30minutes



KAMSSA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

PRINCIPLES AND PRACTICES OF AGRICULTURE

Paper 1

2 hours 30 minutes

Instructions to candidates

- Answer all the questions in **Part A** and **four** questions from **Part B** including atleast one question from each section.

FOR EXAMINER'S USE ONLY

Part/Question	Marks	Examiner's No. & Sign
Part A		
Part B No.		
No.		
No.		
No.		
No.		

PART A

1(a). How can meanly bugs and Aphids be controlled on crop plants?

- A. Use of systemic insecticides.
- B. Use of systemic fungicides.
- C. Spraying with chemicals.
- D. Use of fumigants.

b). The function of the frog of an ox-plough is to:-

- A. Penetrate the soil and cut furrow slice at the desired depth.
- B. Adjust the depth and width of ploughing.
- C. Turn the furrow slices.
- D. Provide attachment for the bean, landslide and share.

c). Which of the following ignites fuel-air mixture in the four stroke petrol engines?

- A. Carburetion.
- B. Spark plug.
- C. Inlet valve.
- D. Crank case.

d). Which one of the following livestock diseases is caused by a virus?

- A. Black quarter.
- B. Anthrax.
- C. Salmonellosis.
- D. Rinder pest.

2(a). Give any five reasons for pruning crops.

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

3. Mention characteristics of agriculture products that make their marketing different.

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

4. State the causes of stress in laying birds.

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

5. Outline three functions of lubricants in an engine.

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

PART B SECTION I CROP- PRODUCTION

Attempt four questions choosing at least one from each section.

- 6(a) Explain the consideration made when choosing any irrigation method to use on a farm. (12 marks)
- (b). Outline the importance of irrigation in farming. (08 marks)

- 7(a). State the effects of pests in crop production. (08 marks)
- (b). Explain the cultural methods used in controlling pests. (12 marks)

- 8(a). Describe the factors that affect the type of fertilizers to apply in the field. (12 marks)
- (b). Outline the management practices you would perform while raising seedlings in a nursery bed. (08 marks)

SECTION II ANIMAL SECTION

- 9(a). State the qualities of a good stock man. (06marks)
- (b). Explain the factors that influence water intake by animals. (14marks)
- 10(a). Define Artificial Incubation. (02 marks)
- (b). Outline the considerations taken when selecting eggs for incubation on the farm. (06 marks)
- (c). Describe the characteristic of a laying hen. (12 marks)

- 11(a). State the factors you would consider before rearing pigs.
(b). How would you manage piglets from farrowing up to weaning?

(06 marks)
(14 marks)

MECHANISATION AND FARM MANAGEMENT

- 12(a). Explain the difference types of records kept by any farm business.
(b). State the importance of keeping a good farm record

(12 marks)
(8 marks)

- 13(a). What is the importance of water on the farm
(b). Explain the ways in which farmers fight water shortages on the farm.

(06 marks)
(14 marks)

- 14(a). Give reasons why farm buildings may fail to serve to the expected life span.

(12 marks)

- (b). Outline the procedure for making a foundation for a farm building.

(08 mark)

END