

2013 AGRICULTURE

MOCK EXAMINATIONS

MARCH 2019 2 ½ HOURS

AGRICULTURE MOCK

INSTRUCTION TO CANDIDATES

1. Answer all questions in sections from **A** and **B**
2. Answer any **THREE** questions from section **C**
3. Answer to **ALL** the questions **MUST** be written in the spaces provided in this booklet
4. Candidates should answer the questions in English

FOR EXAMINER'S USE ONLY

SECTIONS	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1-3		
B	4-9		
C		10	
		10	
		10	
TOTAL SCORE			

SECTION A (30 marks)

Answer ALL the questions in this section in the spaces provided.

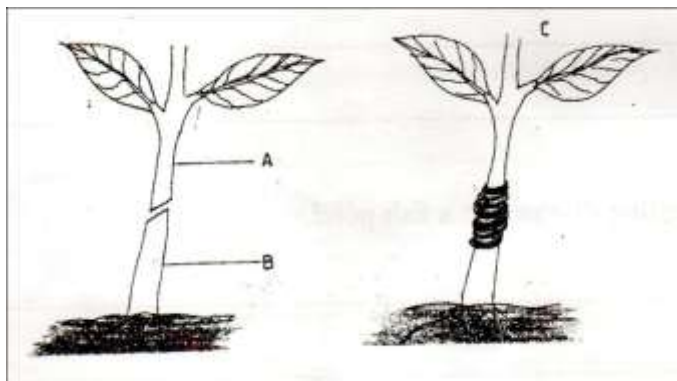
- 1) a) State four reasons for using a scheme of work in the teaching of Agriculture (2mks)
b) List the headings of the various columns of a scheme of work in Agriculture (4mks)
- 2) a) Give two reasons for the use of demonstration method in teaching of Agriculture (2mks)
b) Outline six steps that a teacher should follow when conducting a demonstration lesson (6mks)
- 3) a) List four levels of Mental abilities based on Bloom's Taxonomy of Educational Objectives that Agriculture tests should examine (2mks)
b) State two reasons for having a table of specification during test construction (2mks)
- 4) a) State four factors that the teacher should consider before teaching a given topic to a class. (4mks)
b) Give two factors that would influence the time of the year when to teach a topic in Agriculture (2mks)

- c) Give two reasons for having the introductory stage of a lesson (1mk)
- 5) a) Outline three reasons why use of models could be more appropriate instead of real objects (3mks)
- b) State four advantages of using pictures when teaching Agriculture (2mks)

SECTION B (40marks)

Answer ALL questions in this section in the spaces provided.

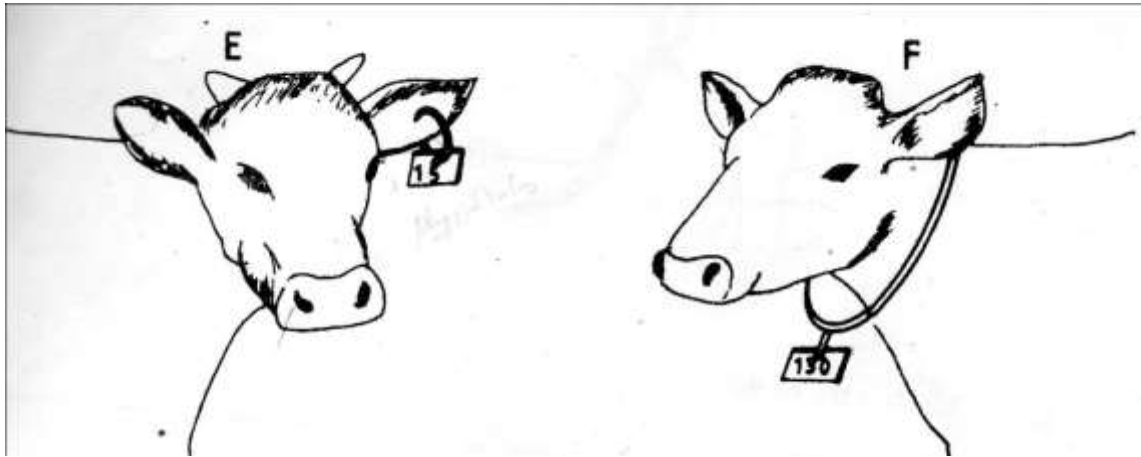
- 6) a) Why is light important in crop production? (1mk)
- b) Name two aspects of light that are important to growth of crops (1mk)
- 7) State three ways through which temperature influences soil formation (3mks)
- 8) State four reasons for establishing a school farm for teaching Agriculture (2mks)
- 9) What is crutching as applied in sheep production? (1mk)
- 10) Give two ways of controlling diseases in a fish pond (1mk)
- 11) Give four ideal body conforming features of beef cattle breeds. (2mks)
- 12) What is pricking out in crop nursery management? (1mk)
- 13) Give four reasons for avoiding burning during land preparation (1mk)
- 14) State two harmful effects of weeds on pastures (2mks)
- 15) The diagram below illustrates a type of vegetation propagation used in crop production. study them carefully and answer the questions that follow;



- a) Name the parts labeled A and B (1mk)
- A: _____
- B: _____
- b) Name the type of vegetative propagation illustrated in C above (1/2 mrks)
- 16) Give two methods of bloodless castration in calves (1mk)
- 17) List two breeding systems that can be used to increase the frequency of a desired gene in a population (1mk)

18) Why should the udder of a cow be washed with warm water before milking
(1mk)

19) The diagrams below illustrate identification methods used in cattle production



a)

a) Identify the methods illustrated in diagrams E and F (1mk)

E: _____

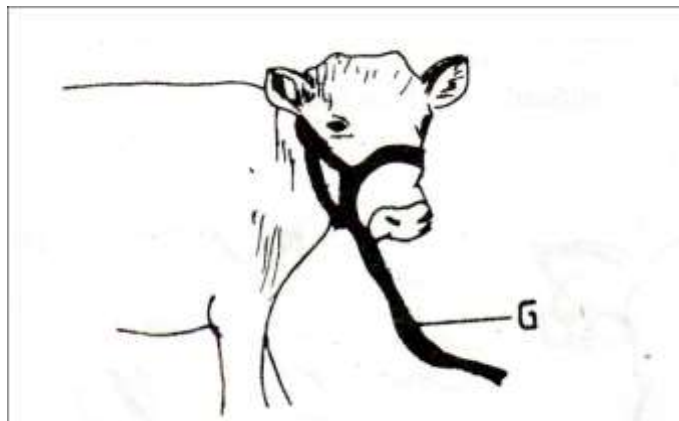
F: _____

b) why is it advisable to use method F instead of E (1mk)

20) Give two reasons for storing crops on the farm (1mk)

21) Explain how the soil type influences the depth of planting (1mk)

22) The diagram G below illustrate a livestock equipment



a) Identify the equipment
(1/2mk)

b) Give the appropriate use of the equipment (1mk)

23) Give two uses of a footbath in a cattle dip (1mk)

- 24) Give two factors of production whose quantities can be varied during production period on the farm (1mk)
- 25) State two advantages of the owner-operator land tenure system (2mks)
- 26) State four non-chemical methods of controlling ticks (2mks)
- 27) State two conditions which may necessitate artificial feeding of bees (2mks)
- 28) List four organisms which may cause diseases in livestock (2mks)
- 29) State four advantages of free-range system of rearing chicken (2mks)
- 30) Distinguish between a straight fertilizer and a compound fertilizer (2mks)

SECTION C

Answer any three questions from this section in the spaces provided after question 34.

- 31) a) Outline the factors that a farmer should consider when choosing materials for the construction of farm structures. (5mks)
- b) Describe the maintenance practices carried out on farm tools and equipment . (5mks)
- 32) Describe the problems hindering development of Agriculture in Kenya (10mks)
- 33) a) Outline the measures that a farmer should take when spraying livestock against ticks (5mks)
- b) Outline the factors which should be considered when culling in livestock management (5mks)
- 34) Describe ten management practices of calves from calving to weaning (10mks)