

**2013
AGRICULTURE
MOCK EXAMINATION
MARCH /APRIL 2018
TIME: 2 ½ HRS**

NAME _____

INDEX NO _____

SIGNATURE _____

CLASS _____

DATE _____

INSTRUCTIONS TO CANDIDATES.

1. Write your name and index number in the spaces provided above.
2. This paper consists of **Three** sections: A, B, and C.
3. Answer **All** questions in sections A and B.
4. Answer any **three** questions from section C.
5. Answers to all questions must be written in the spaces provided.

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATE'S SCORE
A	1-4	30	
B	5-21	40	
C		10 10 10	
TOTAL SCORE			

SECTION A. (30 MARKS)

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

1. A school has set aside a piece of land for establishment of a school farm.
 - a) State any four factors the science teacher should consider when selecting the enterprises for the farm. (4marks)

 - b) State three ways through which the farm may be used for teaching science. (3 marks)

2. A science teacher had the following objectives for a lesson.
 - (i) By the end of the lesson the learner should be able to observe and identify disease symptoms in plants.
 - (ii) By the end of the lesson the learner should be able to control diseases using chemicals.
 - a) Give two teaching aids that the teacher could use to accomplish objective (i) above. (2marks)

 - b) If the chemicals used to control diseases were to be mixed with water, state any three skills the pupils would learn during mixing. (3marks)

 - c) State any four safety precautions the pupils should take to protect themselves when applying the chemicals. (4marks)

- 3a) State any four advantages of using realia when teaching science. (4 marks)

- b) Distinguish between synthesis and analysis as applied in bloom's taxonomy. (2 marks)

- c) State four advantages of multiple choice questions in a test. (4marks)

4. A teacher intends to prepare a scheme of work for the topic "weeds and their control".

State any four factors that the teacher would consider when preparing the scheme of work. (4marks)

SECTION B (40 MARKS)

Answer ALL questions in this section.

5. Explain three ways through which mulching materials control soil erosion before they decompose. (3marks)

6a) State three factors that can determine the seed rate to use during planting. (3mks)

b) Explain how each of the following methods will help to control diseases in crops. (2marks)

i) Rogueing

ii) Use of closed season

7. State two advantages of earthing up in a crop of irish potatoes. (2marks)

8. Name the tools drawn below and for each state one use. (2marks)

a)
Name _____
Use _____

b)
Name _____
use _____

9) State any four characteristics to be considered when choosing the cabbage seedlings to transplant. (2marks)

- 10a) Give four advantages of early planting in crop production. (4marks)
- b) Name two farm structures that can be used to propagate crops. (1mark)
11. Outline two ways in which improper feeding can cause ill health in livestock. (1mark)
12. State two reasons why it is important to consider the direction of the prevailing wind when siting farm buildings. (1mark)
13. Give four ways of improving labour efficiency on the farm. (2marks)
14. Give two reasons for pasture conservation. (1mark)
15. List four management practices in a fish pond. (2marks)
- 16a) State two advantages of natural mating in livestock breeding (2marks)
- b) Distinguish between close breeding and cross breeding. (2marks)
17. List four disadvantages of communal land tenure system. (2marks)
18. State four factors that influence the supply of a commodity in the market. (2 marks)
19. List two factors that influence the quality of honey. (1mark)
20. Identify tools and equipment used to carry out the following:
- i) Relieving bloat in livestock

- ii) Driving nails into wood
- iii) Administration of tablet drugs in livestock
- iv) Estimating weight of farm animals
- v) Tightening nuts and bolts
- vi) Pruning of tender suckers

(3marks)

21. State two reasons as to why creep feeding is an important practice in pig production. (2marks)

SECTION C (30 MARKS)

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

22. Describe the various harmful effects of weeds. (10marks)

23. Explain the management practices for a dairy cow during the gestation period. (10marks)

- 24a) Outline five factors which a farmer should consider when designing a crop rotation programme. (5marks)

- b) Outline the importance of keeping livestock healthy. (5marks)

- 25a) Explain five measures that farmers may take to reduce risks and uncertainties in farming. (5marks)

- b) Describe the characteristics of horizon A in a soil profile. (5 marks)