

**AGRICULTURE  
MOCK 2019  
TIME: 2<sup>1</sup>/<sub>2</sub> HOURS**

**INSTRUCTIONS TO CANDIDATES:**

*This paper consists of three sections A, B and C*

*Answer all questions in section A and B and only three questions in section C*

*This paper consists of 10 printed pages*

*Candidates should use ENGLISH when answering the questions*

**FOR OFFICIAL USE ONLY**

| SECTION      | QUESTIONS   | MAXIMUM SCORE | CANDIDATE'S SCORE |
|--------------|-------------|---------------|-------------------|
| A            | 1-5         | 30            |                   |
| B            | 6-17        | 40            |                   |
| C            |             | 10            |                   |
|              |             | 10            |                   |
|              |             | 10            |                   |
| <b>TOTAL</b> | <b>1-21</b> | <b>100</b>    |                   |

**SECTION A (30 MARKS)**

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

1. A teacher is preparing a lesson plan on a given topic.

(a).State **four** characteristics that the introduction of the lesson should have **(2 marks)**

(b).The teacher plans to use teaching aids for the lesson. State any **three** qualities that the teaching aids should have **(3 marks)**

(c).If the teacher has decided to use questioning technique during the conclusion of the lesson, outline the procedure that the teacher should follow **(2 marks)**

2. A teacher plans to conduct a practical on hand planting of beans

(a).Identify the activities the teacher should involve the pupils in during the lesson**(2 marks)**

(b).List the teaching resources which would be required for this lesson. **(2 marks)**

(c).State how the teacher would organize the pupils for the practical **(2 marks)**

3. State **six** desirable practices a teacher should adopt when using the chalkboard **(3 marks)**

4. (a).A teacher is planning to teach the topic fish farming to standard pupils

(i).State any **three** factors the teacher should consider when preparing a scheme of work for this unit **(3 marks)**

(ii).List **six** subtopics into which this unit may be subdivided **(3 marks)**

(b). Give **four** advantages of using group discussion method of teaching **(4 marks)**

5. Give **two** advantages and **two** disadvantages of using photographs as teaching aids in science **(4 marks)**

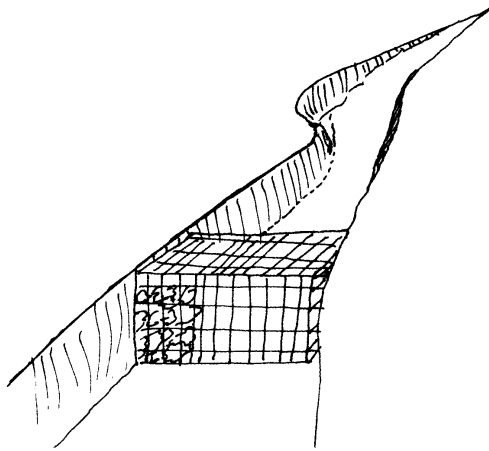
Advantages

Disadvantages

### **SECTION B (40 MARKS)**

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

6. The illustration below shows a structure used for controlling soil erosion. Study it carefully and answer the questions that follow:



(a) Identify the structure **(1 mark)**

(b) Explain **two** ways in which the structure helps to control soil erosion. **(2 marks)**

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7. State **two** ways in which agriculture contributes directly to the development of industries **(2 marks)**

8. Give **two** condition under which the opportunity cost is zero in a farming enterprise **(2 marks)**

9. Give **three** reasons for timely weed control in crop production **(3 marks)**

10. Give **three** ways of improving farm labour productivity **(3 marks)**

11. State any **three** desirable characteristics that should be considered when selecting a heifer for milk production **(3 marks)**

12. State **four** factors to consider when siting farm structures. **(4 marks)**

13. Give **four** factors that influence the type of irrigation to be used in a farm **(4 marks)**

14. State **four** disadvantages of natural method of mating **(4 marks)**

15. A school has allocated a half a hectare of land for science demonstration plots and a crop museum

(a).Give **three** factors should the teacher consider when planning for the use of the land? **(3 marks)**

(b).State **three** benefits of establishing a crop museum **(3 marks)**

16. Give **three** reasons for keeping livestock healthy **(3 marks)**

17. Name the part harvested for each of the following crops: **(3 marks)**

(a) Onions

(b) Carrots

(c) Coffee

### **SECTION C (40 MARKS)**

**Answer any THREE questions from this section in the spaces provided**

18. Explain the factors that influence seed rates in crop production **(10 marks)**

19. (a).State the reasons for using farm yard manure instead of the straight fertilizer **(5 marks)**

(b). State the importance of using mulch in crop production **(5 marks)**

20. Name the appropriate hand tools which can be used to construct a wooden rabbit hutch, and give the use of each tool named **(10 marks)**

21.Describe the body conformation features of a dairy heifer.**(5 marks)**

(b).Give the disadvantages of live fences **(5 marks)**