NAME......................................................................... ADM.............................

GATITU MIXED SECONDARY SCHOOL

AGRICULTURE FORM 1 CAT 2 2013

1. State **two** roles of humus in the soil that are beneficial to crops 2mks

2. Outline **five** activities that may be undertaken in organic farming 5mks

3. List **four** effects of temperature on crop growth 4mks

4. State **four** ways by which wind affects the growth of crops 4mks

5. Name **two** factors related to light that affect crop production and distribution in Kenya 2mks

6. Describe the environmental conditions that may lead to low crop yields 4mks

7. List **three** environmental factors that affect crop distribution in Kenya 3mks

8. State **one** physical characteristic used in classifying soil 1mk

9. Outline **four** advantages of organic farming 4mks

10. The diagrams below show an experiment carried out by a form 1 class. Study them carefully and

 Answer questions that follow:

**E**

**D**

(a) What was the aim of the experiment? 1mk

(b) What was the observation that form 1 students made at the end of the experiment in

 Flasks **D** and **E?** 2mks

11. What are the **three** aspects of light that are important to a farmer? 3mks

12. Study the diagram below and answer the questions that follow

 a) State merits of horizon **A 3mks**

 b) State distinct features of horizon **B**  3mks

 c) What does the term **transition zone** refer to in soil profile 2mks

 i) Name horizon **C** and state its importance 2mks

13. Outline **two** ways temperature affects crop production 2mks

14. Mention **four** ways of modifying soil temperature in crop production 4mks

15. List **four** environmental factors that affect crop production in Kenya 4mks

16. Give **four** factors that influence soil formation 4mks

17. Name any t**hree** agents of biological weathering 3mks