**NAME: ………………………………….…….ADM No: ………CLASS…………....**

**AGRICULTURE FORM ONE**

**OPENER EXAMINATION – TERM 2 2024**

**2 HOURS**

**INSTRUCTIONS. ANSWER ALL THE QUESTIONS.**

1. Define the term following terms as used in agriculture. (3mks)

a) Soil profile

……………………………………………………………………………………………………………………………………………………………………………………………………

b) Organic farming

……………………………………………………………………………………………………………………………………………………………………………………………………

c) Agroforestry

……………………………………………………………………………………………………………………………………………………………………………………………………

2. Give **three** activities that justify the fact that Agriculture is a science: (3mks

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

3.Give **four** characteristics of large scale farming system.(4mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

4.State **two** conditions under which shifting cultivation is favourable. *(3mks)*

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

5.Give **two** characteristics of intensive farming system. *(3mks)*

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

*6.* Identify any **five** methods of farming*(5mks)*

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

7. The diagram below shows an experiment set up using soil type *Q*, *R*, *S*, and observations made after 24 hours. Study the diagram below and answer the questions that follow.



(a) The experiment set up above is designed to study what? (1mk)

(b) Name the three soil types *Q, R, S*. (3mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

` (c) *What* are the characteristic texture of soil type *R* and *S*?

 *R*  (1mk)

 *S* (1mk)

*8.* State **three** aspects of light that affect agriculture. (3mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

*9.* The illustration below represents types of soil structures. Study them carefully and answer questions that follow.

**C**



a) Identify the soil structures labeled. (4mks)

 A………………………………………………………………………………………

B………………………………………………………………………………………

C………………………………………………………………………………………

 *D*

b) State ONE method of improving soil structure labelled D. (1mk)

10. List any **four** ecological factors that affect crop production in Kenya (4mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

*11.* Name **three** classes of crops based on light duration. (3mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

*12.*State **four** negative effects of strong winds in agriculture. *(4mks)*

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

*13.* Outline **Four** practices in agriculture that destroy soil structure  *(4mks)*

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

*14.* State any **four** factors that should be considered when choosing tools and equipment to use in the farm. (4mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

*15.* Below are diagrams of farm tools and equipment. Study them and answer the questions that follow.



*(i)* Identify tools A, B and C *(3mks)*

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 *(ii)* Use of equipment C. *(1mk)*

*16.* State **Four** categories of farm tools and equipment. *(4mks)*

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

*17.* Explain **four** importance’s of agriculture in the economy. (8mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………