**AGRICULTURE**

**TERM 2 2022 OPENER EXAM FORM 2**

**NAME……………………………………………………………ADNO…………………….CLASS…………**

**TIME: 2HRS**

**INSTRUCTIONS: Answer all questions in the spaces provided**

1. a) Define the term agricultural economics (1mk)

b) State six reasons why agriculture is important in Kenya’s economy (3mks)

 2. Calculate the number of plants that a half hectare will occupy given that the spacing is 90cm by 25 cm. (3mks)

3. Differentiate between olericulture and pomoculture (2mks)

4. List four biotic factors that affect crops in Kenya. (2mks)

 5. State two ways by which wind affects the growth of crops. (2mks)

6. Give two roles of micro-organisms in the soil that are beneficial to crops (2mks)

7.Study the illustration below carefully am answer the questions which follow River



a) Identify the illustration (1mks)

b)Name part 1 -6 (3mks)

c) Why is it important to treat water in the farm (3mks)

8. State four factors to consider when choosing a nursery site (2mks)

9 a) Diagrams represent some farm tools.

Identify the tools (11/2marks)



**NIII**

b) Give any maintenance practice on tool N1 above (1/2mk)

10.a) Differentiate between macro – nutrients and micro – nutrients (2mks)

b): List four ways of applying fertilizers in crops (2mks)

11. State three advantages of using vegetative materials for crop production. (3mks)

12.a) Give two advantages of growing cereal crops in rows instead of broadcasting (2mks) .

(b) Give two reasons for planting crops at correct spacing (2mks)

(c) Give two factors that determine the depth at which seeds should be planted. (2mks)

13. Calculate the amount of K2O contained in 400kg of a compound fertilizer 25:10:5. (3mks)

14.a) List any four types of records a farmer should keep. (2mks)

b). State four reasons for keeping health records in livestock production (2mks)

c) State the conditions under which the opportunity cost is Zero in a farming enterprise. (2mks)

15.a)Name four major characteristics of indigenous cattle breeds kept in Kenya (2mks)

b) Give the major features of exotic beef breeds (2mks)

16. (a) Give three reasons why it is advantageous to use farm yard manure instead of straight fertilizer. (3mks)

(b) State three factors that determine the quality of farm yard manure. (3mks)

17. a) Define soil fertility (1mk)

b) State three ways by which plant nutrients may be lost from the soil. (3mks)

c) List four major characteristics of a fertile soil. (2mks)

18. a) State reasons why use of fire in clearing land is discouraged. (3mks)

b) Outline three main reasons for secondary tillage. (3mks)