

NAME.....CLASS.....ADM.....

AGRICULTURE, FORM 1, TERM 2 – 2024

MID – TERM EXAMS

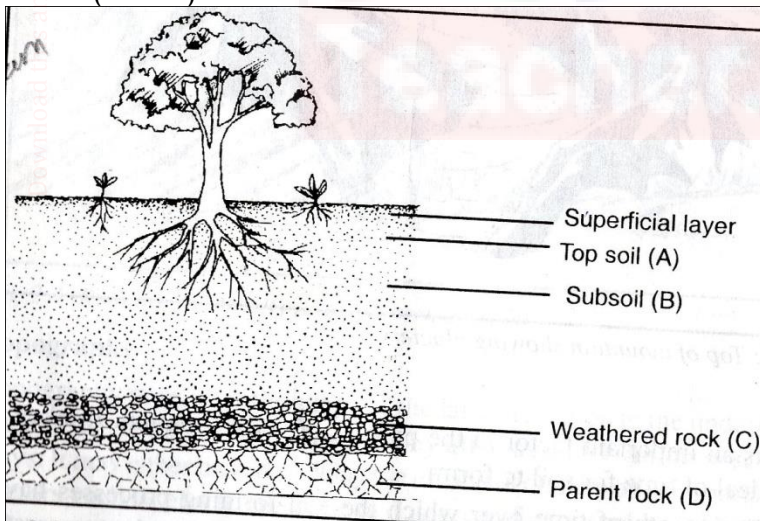
1. What is Agriculture? (1mk)
Is the art and science of crop and livestock production.
- b) Give three field of horticultural farming and describe what they entail. (3mks)
Floriculture – growing of flowers eg roses
Olericulture – growing of vegetables eg cabbages
Pomology – growing of fruits

2. Why is agriculture very important to the economy of Kenya. (5mks)
 - **Sources of food**
 - **Sources of employment**
 - **Provision of foreing exchange**
 - **Source of raw materials for industries**
 - **Provision of market for industrial Goods**
 - **Sources of money or capital**

3. What do you understand by the term Agro forestry? (1mk)
It involves growing of tress and crops and keeping of animals on the same piece of land.

4. What is soil profile? (1mk)
It's the vertical arrangement of various soil layers or horizons.

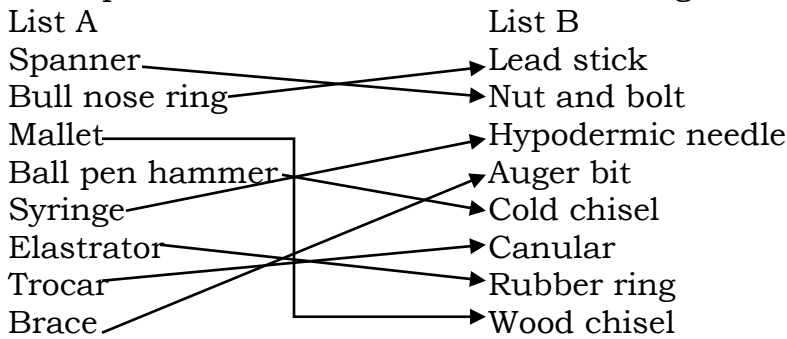
- b) Below is a diagram of a vertical section through the soil. Label the different layers 1 to 5. (5mks)



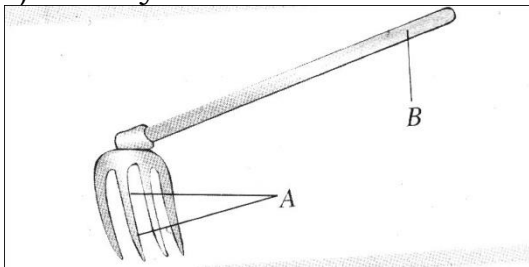
5. List three biotic factors that have negative effect in Agricultural production.(3mks)
 - **Pests**
 - **Parasites**
 - **Pathogens**
 - **Some predators**
- b) Name two micro – organisms beneficial to plant growth and production. (1mk)
 - **Rhizobium bacteria**
 - **Nitrogen fixing bacteria**

- decomposers

6. Pair up the tools in list B to list A according to their use. (8mks)



b) Identify the tool below and name the parts labeled. (3mks)



7. State the reasons for preparing land before planting. (5mks)

- **To kill weeds**
- **To incorporate manure and other organic matter into the soil**
- **To destroy different stages of crop pest such as eggs, larvae, pupal or adults by burying them, exposing them to heat of the sun and predators and starving them.**
- **To aerate the soil.**
- **To encourage the penetration of roots in the soil**
- **To make subsequent operation possible**
- **To encourage water infiltration into the soil**

8. Name the implements that can be used for the following practices. (3mks)

Tractor – drawn moulboard plough or disc plough, ox-drawn, subsoiler, chisel plough

9. a) What is a seedbed? (1mk)

A piece of land prepared for planting.

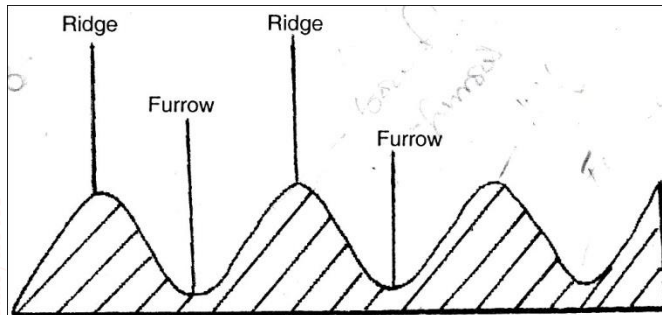
b) State the main reasons of carrying out secondary tillage.

- **To remove any weeds that might have germinated immediately after primary cultivation.**
- **To break the soil clods into small pieces for easy planting**
- **To level the field in order to achieve uniform depth of planting**
- **To incorporate organic matter into the soil in order to encourage decomposition before planting**

c) What are tertiary operations. (1mk)

These are operations carried out to suit production of certain crops.

d) Below is a diagram of a tertiary operation study it and answer the questions that follow.



i) Name the operation. (1mk)

Ridging

ii) State the importance of carrying out the operation. (1mk)

- **Promote expansion of root tubers**
- **Facilitate easy harvesting of root crops**
- **Help to conserve soil and water**
- **Facilitate drainage in water logged soil**
- **Prevent greening of irish potatoe.**

10. a)What is minimum tillage. (1mk)

This is the application of a combination of farming practices aimed at least disturbance of the soil.

b) State the reasons for carrying out minimum tillage. (4mks)

- **To reduce the cost of cultivation or ploughing by reducing the number of operations.**
- **To control soil erosion**
- **To maintain soil structure**
 - **To conserve moisture**
 - **To prevent the disturbance of roots**
 - **To prevent exposure of humus.**