F1 ENDYEAR ASSIGNMENT

AGRICULTURE

10+ HOLIDAY ASSESMENT PAPERS

Dear Students, Make Maximum Utilization of limited time Available to Attempt and Work on these Year-Round Examination Trials.

A Comprehensive Evaluation Analysis of Term 1-3 Questions.

SERIES 1

For Marking Schemes

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MWALIMU AGENCY

FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 1

TIME: 2 HOURS

Answer All the Questions

1. Give **four** aspects that entails agriculture as a science **(2mks)**

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2. Name **three** branches of horticultural farming. **(3mrks)**

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3. Outline **four** ways in which HIV/AIDS and general health influence agricultural production.

(2mks)

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4. State **two** ways in which transport and communication influence the level of agricultural production.

(2mks)

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5. List **three** biotic factors that influence agriculture negatively **(3marks)**

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6. State **four** properties of sandy soil**.** **(2mks)**

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7. Differentiate between extensive farming and intensive farming **(2mks)**

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8. State **two** advantages of large scale farming **(1mk)**

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9. Outline **four** advantages of practicing mixed farming **(4mks)**

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10. Give **four** characteristics of shifting cultivation **(4mks)**

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11. **(a)** What is organic farming? **(1mk)**

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(b) State **four** reasons why farmers are encouraged to practice organic farming **(2mks)**

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12. State the roles of agriculture in the economy of Kenya **(6mks)**

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13. List **four** aspects of rainfall that affect agricultural production in Kenya **(4mks)**

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14. State **four** ways in which temperature affects agricultural production **(4mks)**

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15. **(a)** How does light intensity affect crop production? **(1mk)**

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(b) Give **five** ways in which light intensity in a crop field can be increased. **(5mks)**

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16. Describe **four** ways in which chemical processes influence soil formation **(4mks)**

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17. Outline **four** factors that influence soil formation **(4mks)**

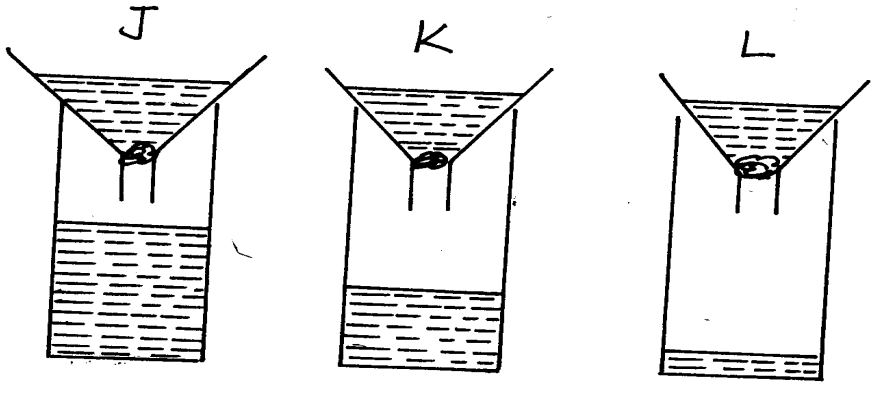
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18. The diagram below illustration an investigation on property of soil using samples labeled J,K and L



a.) If the level of water drained into the test tubes were observed after two hours, name the property of soil being investigated **(1mk)**

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b.) What is the relationship between this property of soil and the size of soil particles **(1mk)**

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c.) Which soil sample will be suitable for growing paddy rice ? **(1mk)**

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d.) Name the type of soil labeled **(3mks)**

J……

L. ……

K……

e) State **three** characteristics of soil J **(3marks)**

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19. State **five** categories of farm tools and equipment **(5marks)**

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FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 2

TIME: 2 HOURS

SECTION A (50MKS)

Answer all questions in this section on spaces provided.

1) What is Agriculture? **(1mk)**

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2) Give the meaning of the following Agricultural terms **(4mks)**

- Apiculture

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- Aquaculture

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- Nomadic –pastoralism

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- Plantation

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3) Give three reasons why Agriculture is Art **(3mks)**

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4) Differentiate between the following Horticulture terms. **(2mks)**

Pomoculture and Olericulture

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5) Name five branches of Agriculture **(5mks)**

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6) a) Give the meaning of mixed farming? **(1mk)**

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b) State three importance of mixed farming **(3mks)**

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7) State three characteristics of small scale farming **(3mks)**

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8) Name four methods of farming? **(4mks)**

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9) State four advantages of large scale farming **(4mk)**

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10) State three importance of organic farming? **(3mks)**

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11) Name four human factors which influence Agriculture **(4mks)**

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12) State two effects of HIV and AIDS on Agriculture **(2mks)**

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13) State three ways which Government policy influence Agriculture **(3mks)**

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14) Name four Biotic factors which influences Agriculture **(2mks)**

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15) State three importance of soil to crops **(3mks)**

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16) Name three aspect of rainfall **(3mks)**

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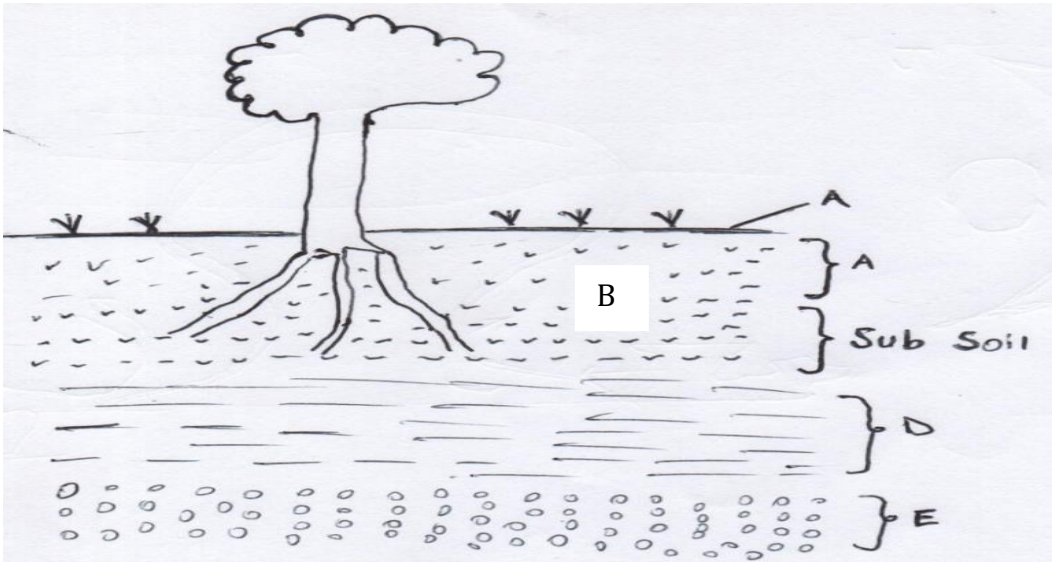
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SECTION B

Answer all questions on the spaces provided

17) Study the diagram below and answer questions that follow.



a) Identify the type of soil formation shown above **(1mk)**

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Name the layers A, B, D and E **(4mks)**

Layer A ……

Layer B ……

Layer D ……

Layer E ……

b) State four characteristics of layer B **(4mks)**

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c) Name four types of soil structures **(4mks)**

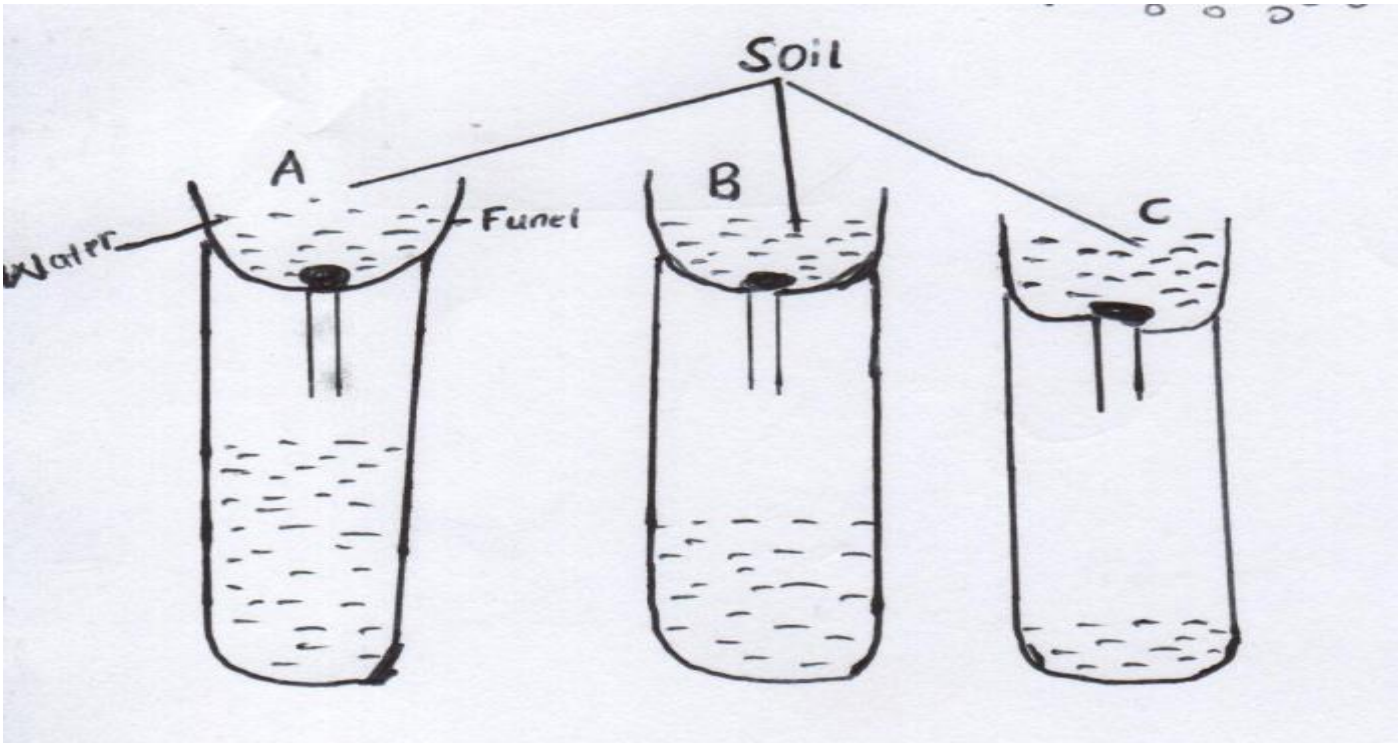
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18) Below is an experiment to investigate a certain aspect of soil. Study the experiment and answer questions that follows.



The amount of water drained is as shown above

a) State the aspects of soil being investigated **(1mk)**

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b) Name the soil type A, B and C **(3mks)**

Soil type **A** ……..

Soil type **B** ……..

Soil type **C** ……...

c) Which of the soil type is most suitable for growing rice **(1mk)**

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d) Which of soil type is good for growing maize **(1mk)**

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e) State four characteristics of soil type A **(4mks)**

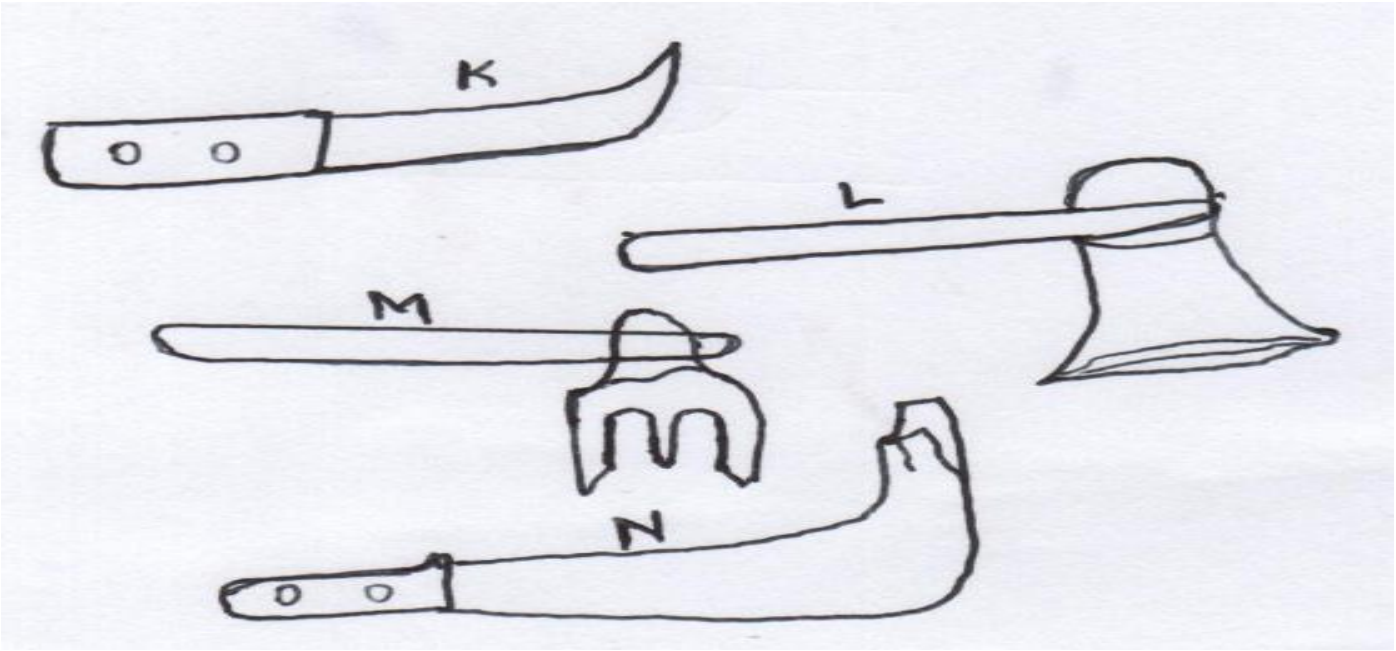
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19) Below are farm tools and equipment used in the farm



a) Identify the tools shown above **(2mks)**

Tool **K** ……..

Tool **M** …….

Tool **L** …….

Tool **M**……

b) State the use of tool K and L **(2mks)**

Tool **K** ……

Tool **L**……

c) State three maintenance of tool K **(3mks)**

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SECTION C (20MKS)

Answer any two questions on space provided

20) State and explain five importance of Agriculture in growth of country economy **(10mks)**

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21) a) State the influence of strong winds on crop production **(6mks)**

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b) State the effects of high temperatures on crop production **(4mks)**

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22) a) State three types of weathering **(3mks)**

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b) Describe various ways in which biotic factors influences Agriculture **(7mks)**

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FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 3

TIME: 2 HOURS

QUESTIONS

1) Differentiate between floriculture and olericulture. **(2mks)**

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2) State three characteristics of large scale farming system. **(3mks)**

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3) List three methods of farming. **(3mks)**

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4) State five ways in which agriculture has contributed to the economic development of Kenya.**(5mks)**

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5) State four human factors influencing Agriculture. **(4mks)**

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6) State how each of the following factors affects Agriculture. **(6mks)**

a) Decomposers

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b) Pollinators

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c) Parasites

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7) State three main aspects of light that are important to crop growth. **(3mks)**

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8) List four factors influencing soil formation. **(4mks)**

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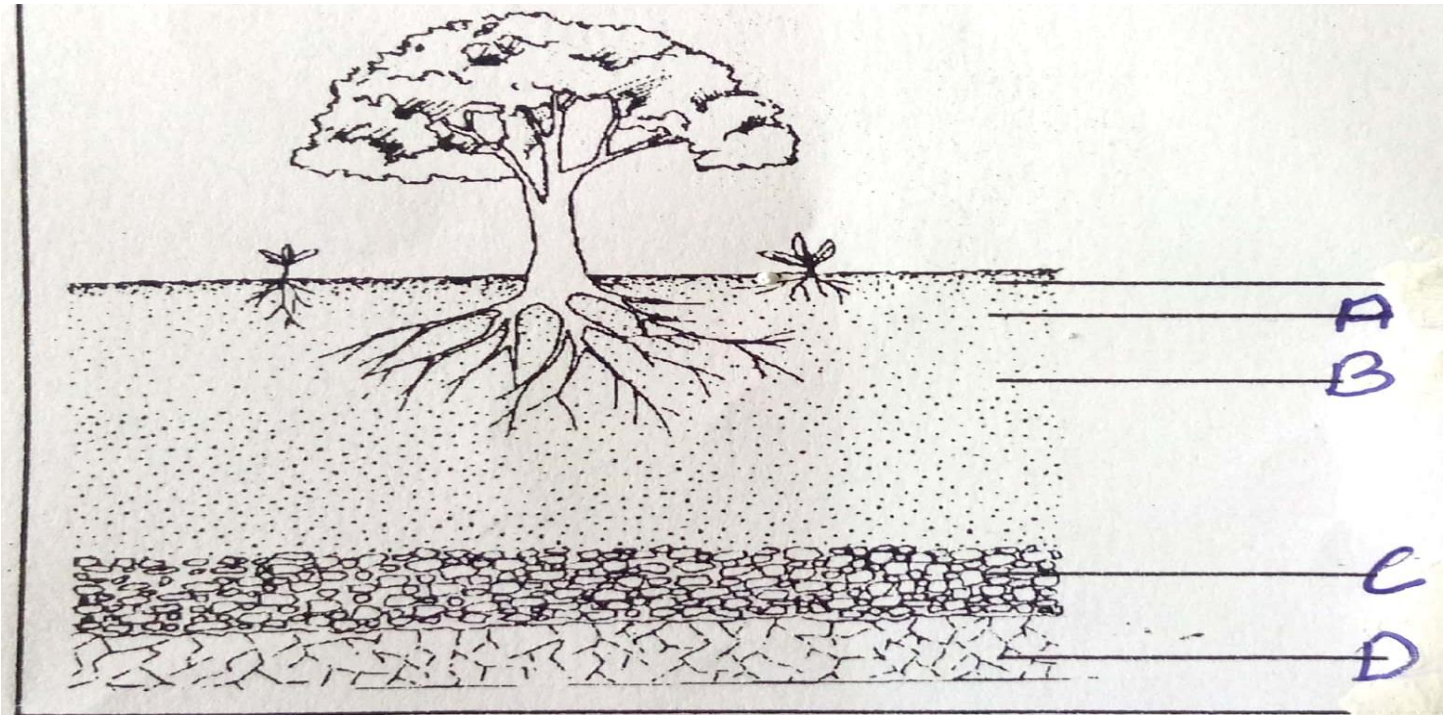
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9) The diagram below represents a soil profile. Study it and answer questions that follow.



Name the horizons. **(4mks)**

A

B

C

D

Give two characteristics of horizon A. **(2mks)**

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State two effects of hard pans. **(2mks)**

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10) List four soil constituents. **(4mks)**

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11) Outline three types of soil structures. **(3mks)**

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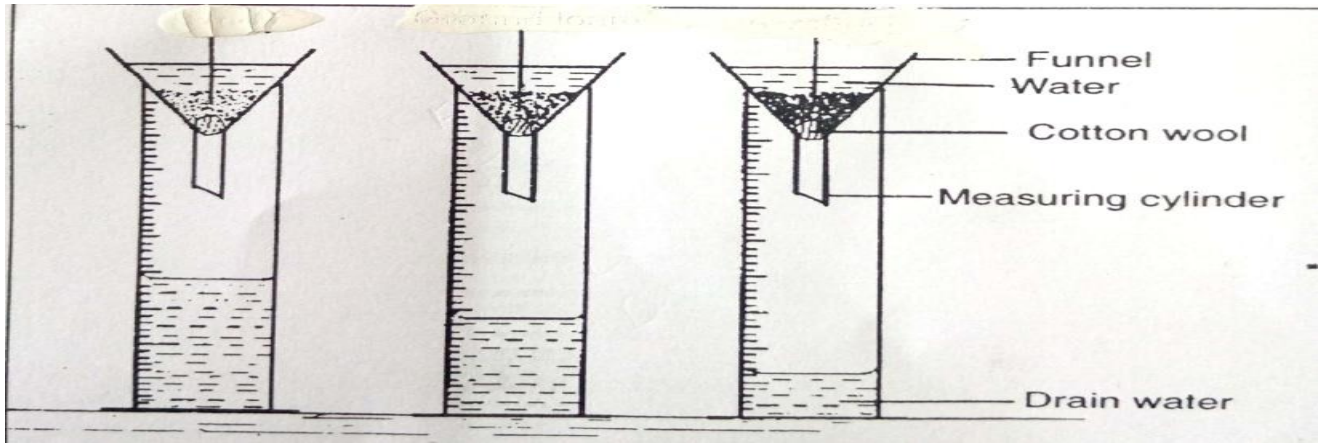
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12) Give two characteristics of clay soils. **(2mks)**

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13) The set-up below illustrates an experiment to study a certain physical aspect of different types of soils. Study it and answer questions that follow.



P **Q** **R**

a) Name soils: **(3mks)**

P

Q

R

b) What was the aim of the experiment? **(1mk)**

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c) How can the structure of soil P be improved? **(1mk)**

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14) State two ways by which soil of pH3 can be raised to a pH of 6. **(2mks)**

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15) Give four effects of high temperature in crop production. **(4mks)**

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16) List four physical agents of weathering. **(4mks)**

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17) State five categories at farm tools and equipment. **(5mks)**

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18) State three maintenance practices of a wheelbarrow. **(3mks)**

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FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 4

TIME: 2 HOURS

1. State four activities which support Agriculture as a scientific deceptive **(4mks)**

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2. Agriculture is said to be a source of market for some industrial produced. Name the four products **(4mks)**

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3. Give two reasons why Agriculture is looked at as an artistic practice **(2mks)**

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4. Differentiate between the following terms used in Agriculture **(6mks)**

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5. What are five major areas of Agriculture **(5mks)**

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6. For Agriculture to give good and quality produce it has to borrow a lot from other deceptive. How do those deceptive support the production **(4mks)**

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7. What is Agriculture economics **(2mks)**

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8. Horticulture is gaining popularity in Kenya in various field. What do we mean by these terms **(3mks)**

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9. Under livestock production there are several sub-branches. State the sub branches in the production **(4mks)**

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10. State four characteristics of large scale farming **(4mks)**

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11. Differentiate between plantation farming and ranching as used in farming system **(2mks)**

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12. State four various crop used under plantation farming and the areas where they exist.**(4mks)**

1	**Crops**	**Area**
A		
B		
C		
D		
E		

13. What is mixed farming **(2mks)**

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14. Outline three ways in which soil is important to crops **(3mks)**

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15. The diagram C and D below illustrate some workshop tools **(2mks)**

(a) Identify the tools and the use

NAME	USES
C-	
D-	

16. State ways how Agriculture is important to Kenyan economy development **(3mks)**

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FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 5

TIME: 2 HOURS

INSTRUCTION: Answer ALL the questions

1) Give two reasons why Agriculture is looked as a science. **(2mks)**

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2) a) What are the advantages of organic farming? **(2mks)**

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b) What is mixed farming? **(1mk)**

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3) a)Give four reasons why Agriculture considered important in Kenya's economy. **(4mks)**

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b)What is plantation farming. **(1mk)**

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4) State two effects of HIV/AIDS on agriculture. **(1mk)**

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5) a) State the difference between soil structure and texture**.** **(2mks)**

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6) a) What is soil profile**?** **(2mks)**

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b) Describe the components of a well-developed soil profile. **(5mks)**

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7) Place the following tools in their respective categories and state their uses. **(10mks)**

a) Panga

b) Shovel

c) Pick axe

d) Garden line

e) Wheelbarrow

f)Sprayer

g) Ripsaw

h) Tape measure

i) Scraper

j) Marking gauge

8) a) State the reasons for preparing land before planting. **(4mks)**

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b) What is a seedbed? **(1mk)**

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9) Give reasons why the burning of Bushes as a methods of land cleaning should be discouraged. **(2mks)**

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10) What is ridging**?** **(1mk)**

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b) Give reasons why the following operations are carried out in crop production;

i) Rolling**.** **(1mk)**

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ii) Levelling**.** **(1mk)**

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11) State the main sources of water on the farm**.** **(3mks)**

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b) State the methods of water collection and storage in the farm**.** **(3mks)**

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c) What are the four reasons for treating water for human consumption**.** **(2mks)**

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12) a) What is;

1. Drainage. **(1mk)**

2. Pollution. **(1mk)**

b) i) List six different types of drainage. **(3mks)**

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ii) Describe the agricultural practices which lead to water pollution**.** **(2mks)**

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13) a) Define the term soil fertility. **(2mks)**

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b) State the characteristics of a fertile soil**.** **(5mks)**

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14) a) What is the importance of organic matter in the soil? **(5mks)**

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b) What are the functions of the following in the preparation of compost manure? **(3mks)**

Topsoil

Wood ash

The layer of manure

15) Discuss the importance of livestock to a Kenyan farmer. **($2^1/_2$mks)**

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16) List the characteristics of a dairy cow. **($2^1/_2$mks)**

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17) a) Differentiate between the following breeds of livestock.

a) New Zealand white and Californian white. **(2mks)**

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b) Large white and landrace**.** **(2mks)**

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18) What is the color of each of the following breeds of livestock?

a) Wessex saddle backs**.** **(½ mk)**

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b) Toggenburg **(½ mk)**

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FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 6

TIME: 2 HOURS

QUESTIONS

1. Give four importance of land preparation in crop production **(4mks)**

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2. List four factors that determines the type of irrigation used in crop production **(4mks)**

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3. Give five characteristics of fertile soil **(5mks)**

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4. Mention five importance of drainage as a land reclamation method **(5mks)**

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5. List four types of livestock farming practices **(4mks)**

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6. List the three types of a spanner and give two maintenance practices. **(5mks)**

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7.a. Define the term minimum tillage. **(1mks)**

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7.b. Give five minimum tillage practices. **(5mks)**

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8. List four factors that influence soil formation **(4mks)**

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9. Give four importance of treating water **(4mks)**

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10. What are some of the agricultural practices that pollute water? **(3mks)**

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11. Differentiate between a garden trowel and a masons trowel **(2mks)**

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12.State two effects of HIV/AIDS on agriculture **(2mks)**

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13. Give the uses and maintenance each of the following equipment

a)Wheel barrow **(2mks)**

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b)Spoke shave **(2mks)**

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c)Milking churn **(2mks)**

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14. State the reasons for proper care and maintenance of farm tools and equipments **(4mks)**

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15.Give the 3 fields of horticultural farming and describe what they entail **(3mks)**

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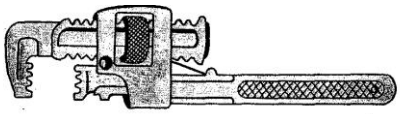
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16. The diagram below shows some workshop tools. Study them and answer the questions that follow

A



B



(a) Identify the tools **A** and **B** **(2mks)**

A……..……

B……..……

(b) State the correct use of the tool labeled A **(2mks)**

……..……

(c) Explain **one** maintenance practice carried out on the tool A **(1mk)**

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17. State **four** categories of farm tools and equipment **(4mks)**

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FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 7

TIME: 2 HOURS

SECTION A (75 MARKS)

1. Define the term agriculture correctly. **(1 mk)**

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2. Give four practices that show that agriculture is an art**.** **(4 mks)**

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3. State four areas of study that shows that agriculture is a science. **(4 mks)**

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4. State two ways in which agriculture contributes to development of industries in Kenya. **(2 mks)**

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5. State three ways by which agriculture contributes to national development. **(3 mks)**

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6. List five branches of agriculture**.** **(5 mks)**

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7. State four factors considered when identifying a farming system in an area**.** **(4mks)**

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8. State four characteristics of large scale farming system**.** **(4mks)**

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9. State two reasons that make small-scale farming common to majority of the farmers in Kenya.

(2 mks)

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10. Define the term pomology as used in crop production **(1 mk)**

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11. State two reasons why nomads move with their livestock from place to place**.** **(2mks)**

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12. State four climatic factors that influence agricultural production in Kenya. **(4mks)**

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13. What is agroforestry**?** **(1mk)**

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14. State four problems associated with shifting cultivation**.** **(4mks)**

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15. State two effects of HIV/AIDs) in agriculture**.** **(2 mks)**

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16. State three ways how agriculture as an occupation provide employment. **(3mks)**

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17. State four aspects of rainfall important to a farmer **(4mks)**

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18. State five biotic Factors that affect agricultural production**.** **(5mks)**

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19. State four advantages of mixed farming**.** **(4mks)**

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20. a) Give three effects of low temperature in crop production**.** **(3mks)**

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b) State four harmful effects of wind in crop production**.** **(3 mks)**

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21. Name two categories of crops on the basis of photosynthetic light requirement. **(2mks)**

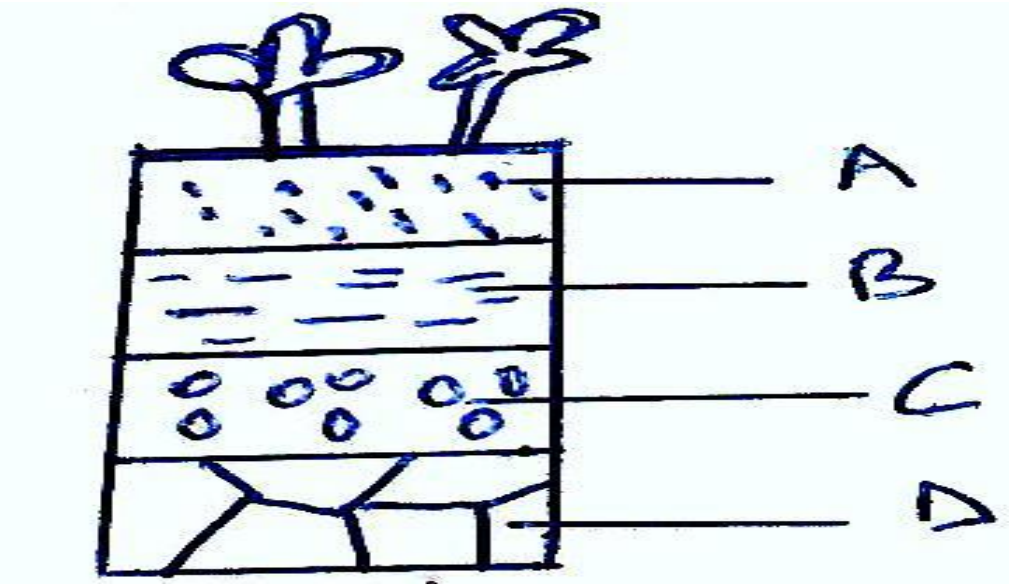
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SECTION B(25 MKS)

22. Below is a diagram illustrating a soil profile study it carefully and answer the questions that follow.



Name parts labeled A,B,C and D abov**e** **(4mks)**

A_____

B_____

C_____

D_____

State three properties of the part labeled A above**.** **(3mks)**

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c) State four factors that influence soil formation **(4mks)**

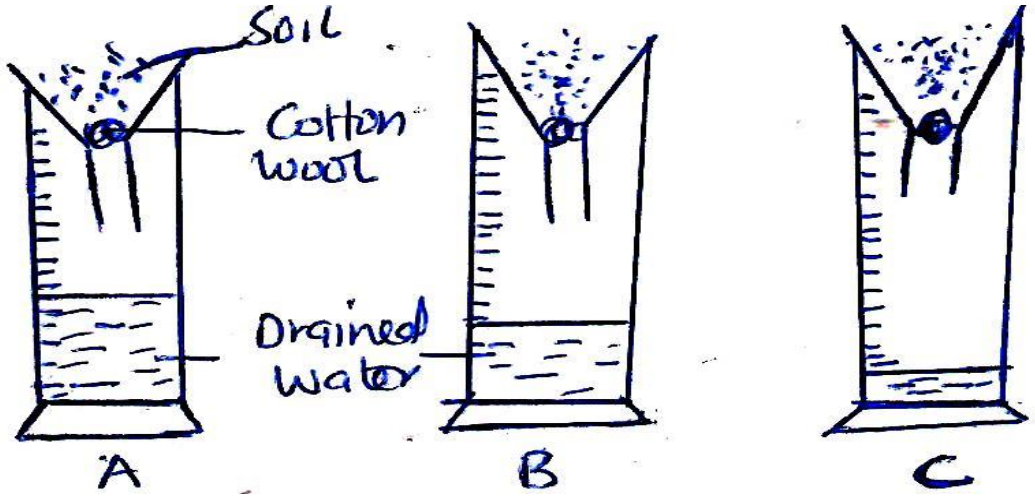
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23. The diagram below shows an experiment set up using different soil type A,B and C. The observation was made after 24 hours.



State what the experiment was designed to study. **(1mk)**

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Name the soil type labeled **A,B,C** **(3mks)**

A_____

B_____

C_____

State three ways in which soil structure influences crop production. **(3mks)**

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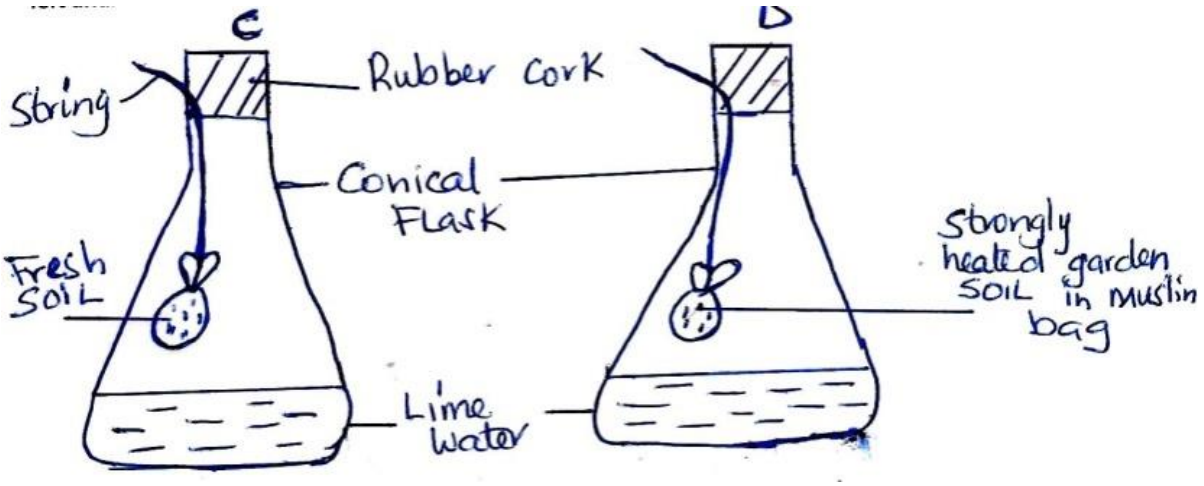
Distinguish between soil structure and soil texture. **(2mks)**

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24. The diagrams below show a set up of an experiment to study an aspect of soil. The set up was 6



What was the aim of the experiment **(1mk)**

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State one observation that was made in each of the flasks labeled **C and D**

C_____(1mk).

D_____(1 m k)

c) Give a reason for each of your answers in(b) above **(1 mk)**

C_____(1 mk)

D_____(1 mk)

FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 8

TIME: 2 HOURS

QUESTIONS

1.Give four importance of land preparation in crop production **(4mks)**

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2.List four factors that determines the type of irrigation used in crop production **(4mks)**

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3.Give five characteristics of fertile soil **(5mks)**

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4. Mention five importance of drainage as a land reclamation method **(5mks)**

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5.List four types of livestock farming practices **(4mks)**

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6.list the three types of a spanner and give the maintenance of the spanners **(5mks)**

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7.Define the term minimum tillage and give five minimum tillage practices **(6mks)**

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8.List four factors that influence soil formation **(4mks)**

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9.Give four importance of treating water **(4mks)**

……

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10. What are some of the agricultural practices that pollute water**?** **(3mks)**

……

……

……

11. Differentiate between a garden trowel and a masons trowel **(2mks)**

……

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……

12. State two effects of HIV/AIDS on agriculture **(2mks)**

……

……

……

13. Give the uses and maintenance of the following tools

a)Wheel barrow **(2mks)**

……

……

b)Spoke shave **(2mks)**

……

……

c)milking churn **(2mks)**

……

……

14.State the reasons for proper care and maintenance of farm tools and equipments **(4mks)**

……

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15.Give the 3 fields of horticultural farming and describe what they entail **(3mks)**

……

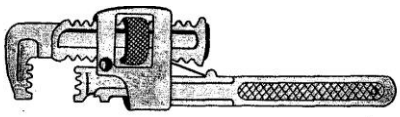
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16. The diagram below shows some workshop tools. Study them and answer the questions that follow

A



B



(a) Identify the tools **A** and **B** **(2mks)**

A……..……

B……..……

(b) State the correct use of the tool labeled A **(2mks)**

……..……

(c) Explain **one** maintenance practice carried out on the tool A **(1mk)**

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17. State **four** categories of farm tools and equipment (**4mks)**

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FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 9

TIME: 2 HOURS

SECTION A (4O marks

QUESTIONS

1. Differentiate between olericulture and pomoculture**.** **(2marks**

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2. List four methods of farming. **(2 marks**

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3. State **three** reasons for treating water for us on the farm **(3marks**

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4. Name **three** types of water pumps which can be used in the farm **(3marks**

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5.State three advantages of shifting cultivation **(3 marks)**

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6. List four environmental factors that affect crop distribution in Kenya **(4marks**

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7. List down the four aspects of rainfall that affect agriculture. **(2marks**

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8.) Name two processes of rock weathering. **(2marks**

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9.. List two aspects of light that influence crop growth**.** **(2marks**

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10.state three ways by which biological agents can enhance the process of soil formation **(3marks**

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11. State **tw**o mechanical methods of separating soil particles according to size during soil analysis **(1mark**

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12. State four harmful effects of strong wind on crop production. **(4mks**

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13. Outline three ways in which high temperature affects agricultural production in Kenya.**(3marks**

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14.list the tool used for each of the following (4marks

i)Tightening barbed wires during fencing,

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ii) Smoothening concrete flours during plastering.

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iii) Administration of liquid medicine to livestock through the mouth.

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iv)Lifting seedlings from the nursery

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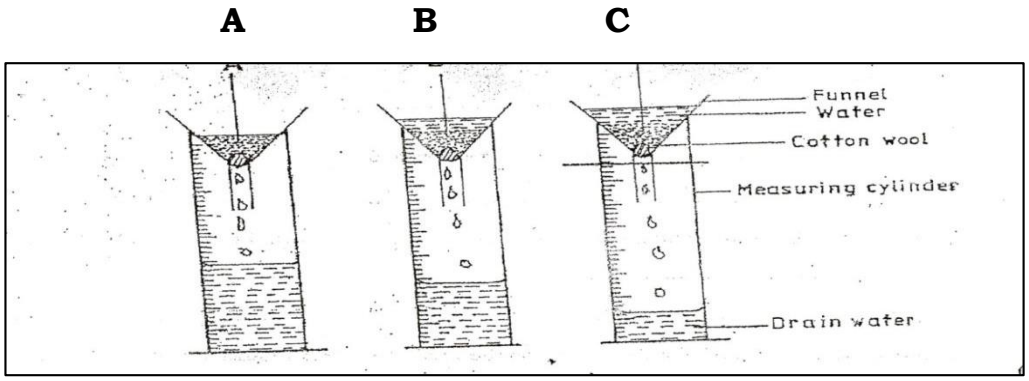
15. Define the following (2marks

a.dam

b. **weir**

SECTION B (2O marks

16.The diagram below illustrates an experiment on soil. Study it carefully and answer the questions that follow.



a) State the aim of the experiment **(1mark)**

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b) If the volume of water illustrated in the measuring cylinder was observed after one hour identify the soil sample labeled A and B. **(2 mark)**

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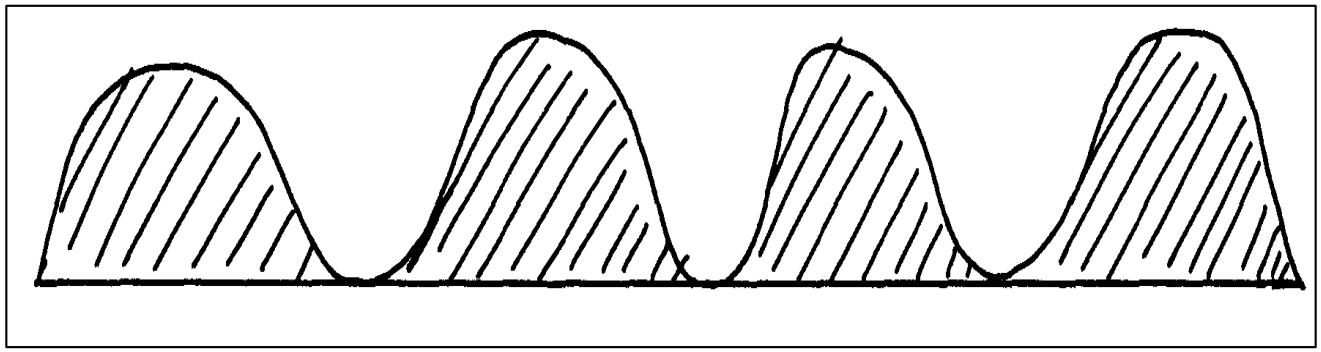
c) State one way in which the soil structure of the sample labeled C above can be improved **(1 marks)**

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17. The diagram below illustrate a tertiary operation carried out in the farm



a) Identify the tertiary operation **(1mark**

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b) (i) State the importance of the tertiary operation identified in **18(a)** above **(2marks**

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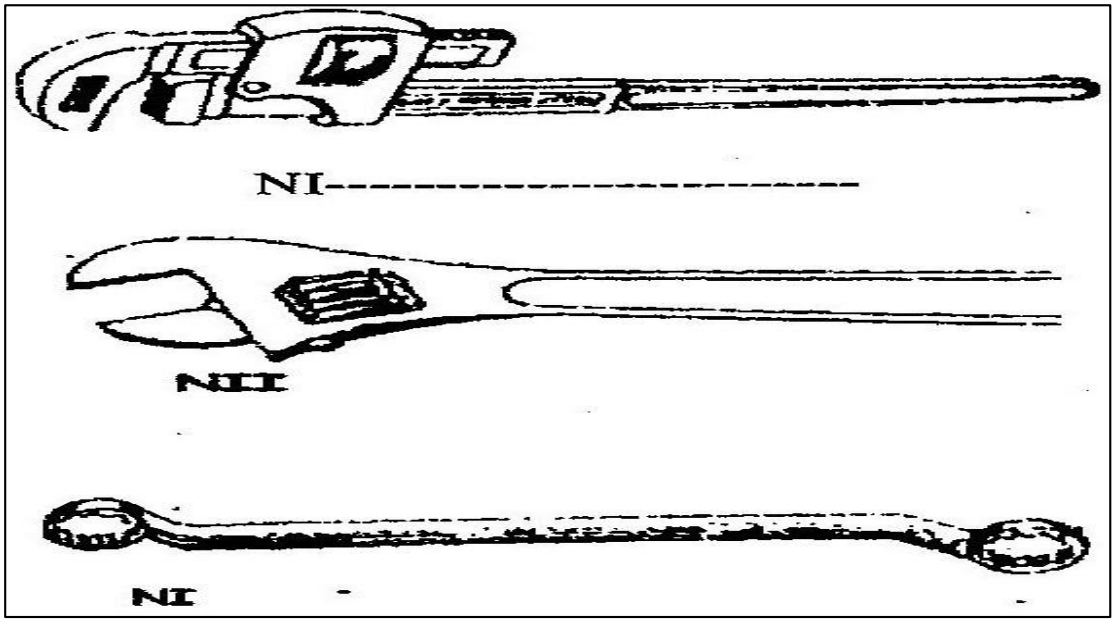
(ii) Give **two** other tertiary operations carried out in the field besides the one identified above

(2marks

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18.The diagram labeled N I, N II, N III below represent some tolls used in farms.



i.Name the tools labeled **above** **(3mks**

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ii) What functional advantage does the tool labeled NII have over the tool labeled NIII? **(1mk**

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iii) What is the function of tool labeled NI **(1mark**

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19. (a) State one use of each of the following tools,

(i) sickle**(1mark**

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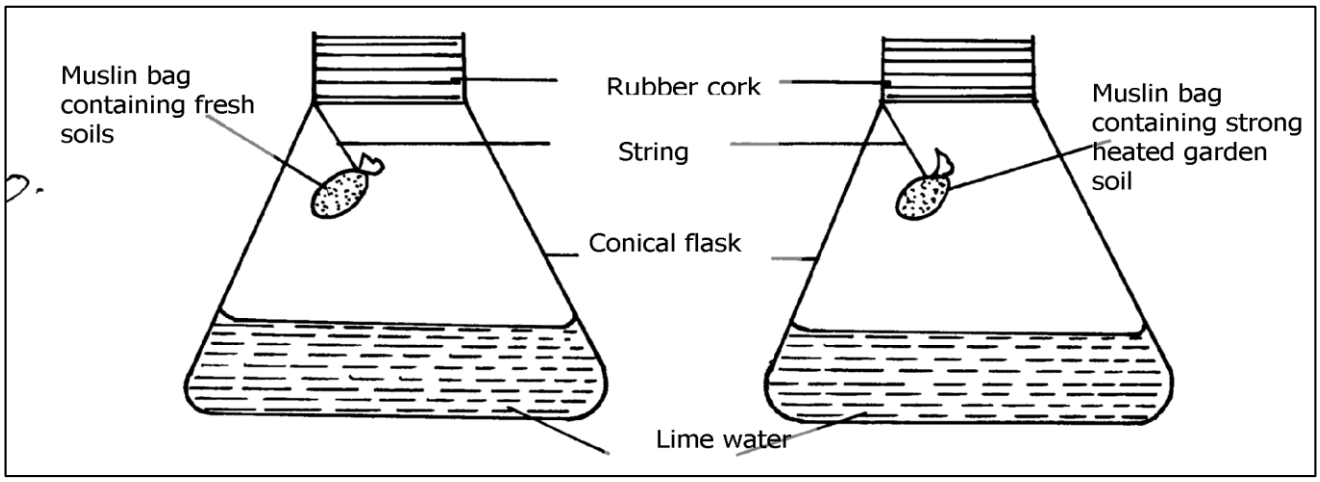
ii) Secateurs**(1mark**

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20. The diagrams below show an experiment carried out by a form 1 class. Study them carefully and answer questions that follow:

D **E**



What was the aim of the experiment? **(1mark**

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(b) What was the observation that form 1 students made at the end of the experiment in flasks **D** and **E?** **(2marks**

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(c) Give the reason for the observation made in flask **D** **(1mark**

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SECTION C -40MKS

21a. State and explain five reasons of maintaining farm tools and equipment **(10 marks**

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b i. What is land preparation **(1mark**

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ii.Discuss five reasons for preparing land **(5marks**

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iii. State four reasons for carrying out minimum tillage **(4marks**

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22 a. State and explain five roles of agriculture in the economic development of Kenya **(1O marks**

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b. i) List **three surface sources of water** **(3marks**

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ii) Give **four** methods of harvesting water on the farm **(4marks**

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iii) Outline the stages involved in water treatment process **(6 x .5=3marks**

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FORM 1 EXAMINATION TRIALS

AGRICULTURE

PRACTICE TRIAL 10

TIME: 2 HOURS

SECTION A. 30MKS

1. Define the term agriculture **1mks**

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2. Give four factors that make agriculture to be termed as an art **2mks**

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3. Differentiate between entomology and crop pathology as used in agriculture **1mk**

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4. Define the following terms as used in agriculture

(a) Floriculture **1mk**

(b) Olericulture **1mk**

(c) Pomology **1mk**

5. Name three forms in which soil water exist in the soil**.** **3mks**

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6. Give the functions of the following farm tools and equipments.

(a)Dibber **1mk**

(b) Garden trowel **1mk**

(c) Strip cup **1mk**

(d) Troca and canula **1mk**

(e) Stock and die **1mk**

Pipe cutter **1mk**

7. Give any four importance of primary cultivation **4mks**

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8. Give a functional difference between a bolus gun and a drenching gun. **1mk**

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9. State four factors to consider when making a choice of the type of irrigation to be used in the farm **2mks**

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10. Outline any two effects of high temperature on crop production **2mks**

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11. Give any four factors influencing soil formation **2mks**

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12 . Give any three factors determining the depth of ploughing **3mks**

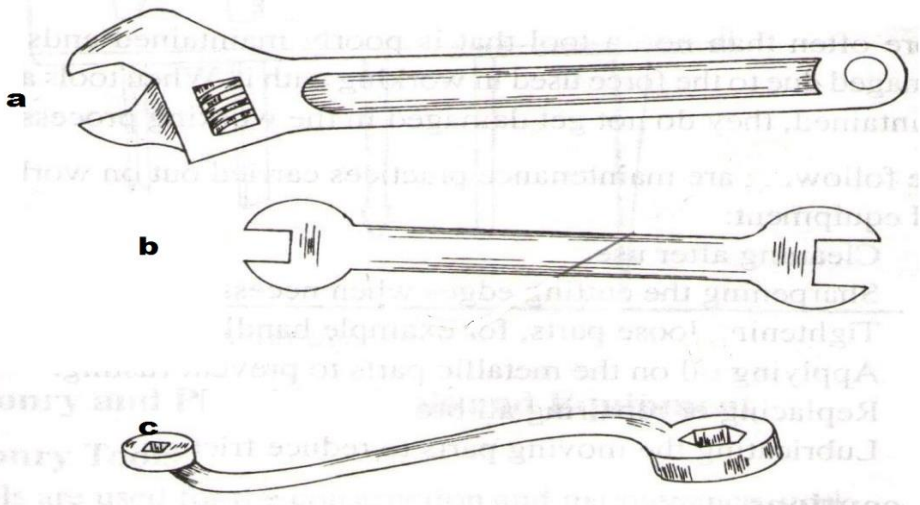
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SECTION B (30MKS)

13. Below are diagram of spanners. Use them to answer the question that follows



(a) Identify the type of spanner marked a-c. **3mks**

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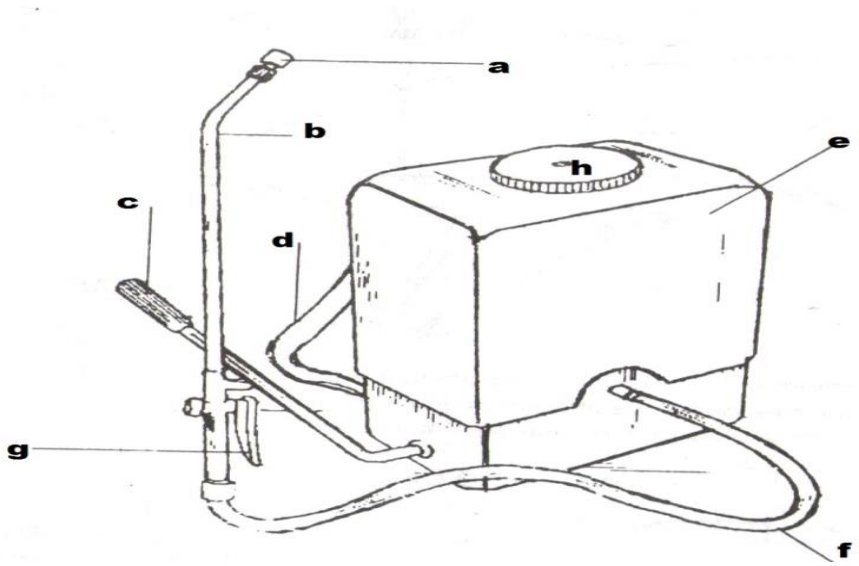
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(b) Give one advantage of a spanner a over spanner b **1mk**

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14. Below is a diagram of a knapsack sprayer .Use it to answer the questions that follow.



(a) Name the parts marked a-**h** **4mks**

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(b)Give any four maintenance practices of a knapsack sprayer **4mks**

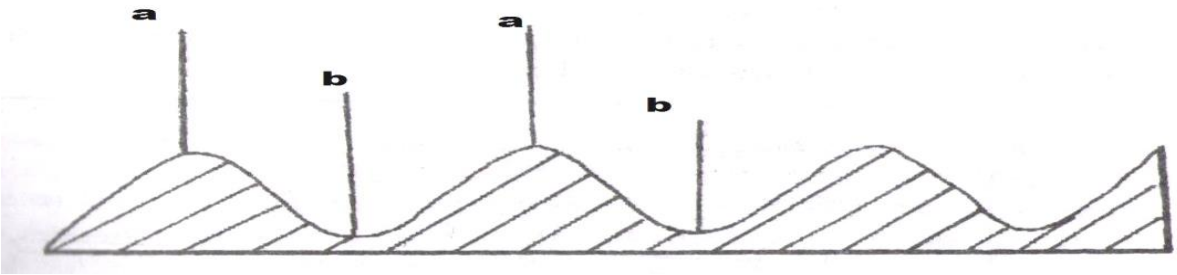
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15. The structure drawn below is a tertiary operation done in land preparation .Use it to answer the questions that follows



(a) Identify the parts marked a and **b** **2mks**

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(b)Give two advantages of using the above structures in growing of crops **2mks**

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16. State the six stages of water treatment **process** **6mks**

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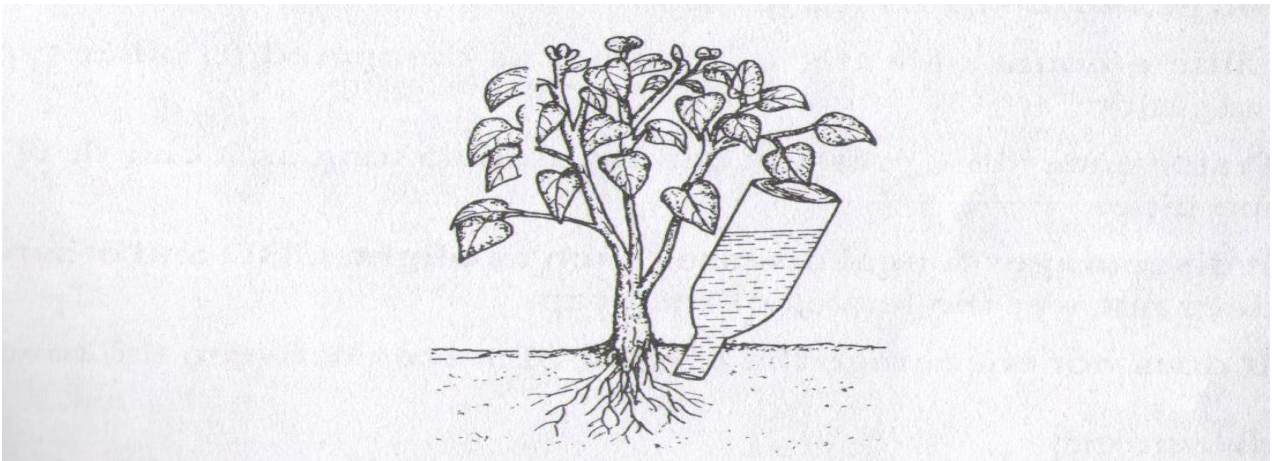
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17.(a). Identify the type of irrigation system drawn below1mks



(b) Give any five advantages of using the irrigation system drawn above **5mks**

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18. State two aspects of rainfall that a farmer may consider when deciding on what crop to grow in an area **2mks**

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SECTION C

19. (a) State and explain any five importance of agriculture to our economy **10mks**

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(b) Outline five maintenance practices carried out on workshop tools and equipment **10mks**

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20. State any five types of soil structures**.** **5mks**

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(b) Outline five general uses of water in the farm. **(5x2=10mks)**

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(C) State five effects of high level of education and technology to agricultural production **5mks**

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