FORM 1 TERM 3 OPENER

AGRICULTURE

TIME 2 HOURS

NAME …… ADM NUMBER……...

CANDIDATE'S SIGN…….

DATE …….

KENYA CERTIFICATE OF SECONDARY EDUCATION (K.C.S.E)

INSTRUCTIONS TO CANDIDATES

(a) Write your name and AdmNo number in the spaces provided

(b) Sign and write the date of examination in the spaces provided

(c) This paper consists of three sections A, B and C.

(d) Answer all questions in section A and B.

(e) Answer all questions in section C

(f) All the questions should be answered in the spaces provided

(g) Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.

FOR EXAMINER'S USE ONLY

Section	Question	Max Score	Candidates Score
A	1-16	40	
B	17-20	20	
C	21	20	
	22	20	
	Total	100	

SECTION A (4O marks

1. Differentiate between olericulture and pomoculture. (2marks

2. List four methods of farming. (2 marks

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

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

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

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

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

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

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

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

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

12.statefour harmful effects of strong wind on crop production. (4mks

13. Outlinethreeways in which high temperature affects agricultural production in Kenya.(3marks

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

i) Tightening barbed wires during fencing,

ii) Smoothening concrete flours during plastering.

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

iv) Lifting seedlings from the nursery

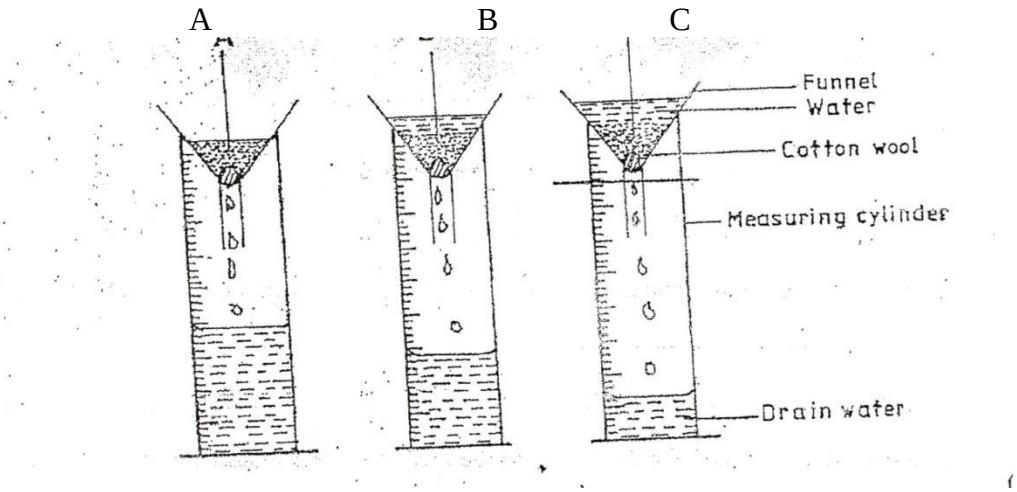
15. Define the following (2marks

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.

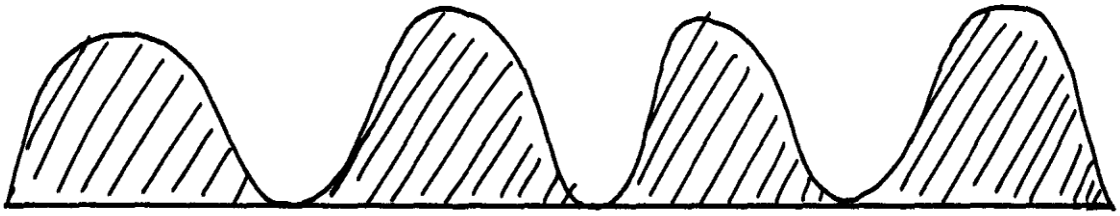


(a) State the aim of the experiment (1mark)

(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)

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

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

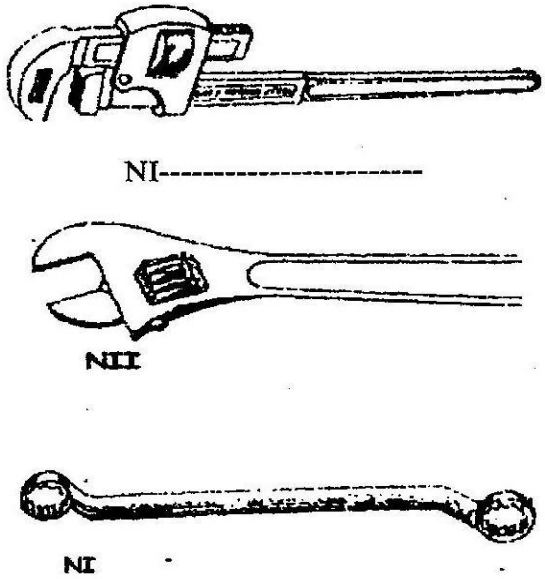


a) Identify the tertiary operation (1mark

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

(ii) Give **two** other tertiary operations carried out in the field besides the one identified above (2marks

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



i.Name the tools labeled above (3mks

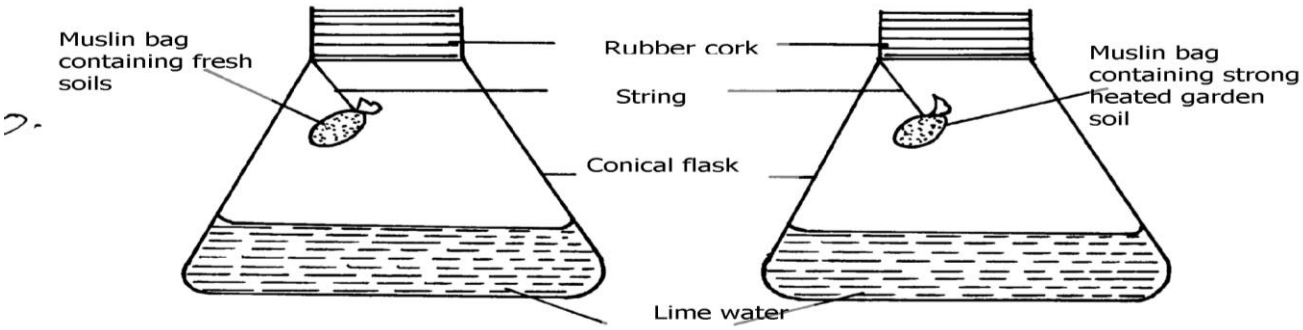
ii) What functional advantage does the tool labeled NII have over the tool labeled NIII? (1mk

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

19. (a) State one use of each of the following tools,
(i) sickle(1mark

ii) Secateurs(1mark

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



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

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

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

SECTION C - 40mks

21a. State and explain five reasons of maintaining farm tools and equipment (1O marks

b i. What is land preparation (1mark

ii.Discuss five reasons for preparing land (5marks

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

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

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

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

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