

NAME:..... ADM. NO.....

SCHOOL:.....SIGNATURE.....DATE.....
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443

AGRICULTURE

(Theory)

TIME: 2 HOURS

November 2021 Examinations

FORM 1

INSTRUCTIONS TO CANDIDATES

- ❖ Write your name and Adm. number in the spaces provided.
- ❖ Answer ALL the questions in the spaces provided,

FOR EXAMINERS USE ONLY

Question	Maximum score	Candidates score

1-22	100	
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This paper consists of 8 printed pages. Candidates should check the question paper to ensure that all the pages are printed as indicated and no questions are missing.

1. Give **four** reasons as to why Agriculture is regarded as an art. (4 marks)

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2. Give the meaning of the terms. (2 marks)

Olericulture

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Pomology

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3. List **four** branches of livestock farming. (2 marks)

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4. What is agroforestry? (1 mark)

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5. a) Name **two** intensive farming systems in crops and in livestock farming. (1 mark)

Crops

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livestock. (1 mark)

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b) State four characteristics of extensive farming. (4 marks)

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6. Name a system of farming which is characterized by use of large tracks of land and production of one crop. (1 mark)

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7. State two limitations of mixed farming. (2 marks)

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8. List three characteristics of shifting cultivation. (3 marks)

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9. State **four** as to why agriculture is important in Kenya. (4 marks)

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10. a) What are the advantages of organic farming in regard to environmental conservation. Give three. (3 marks)

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b) State **four** activities that may be undertaken to achieve organic farming. (4 marks)

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11. Name **four** factors that influence agricultural production. (2 marks)

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12. Give **two** reasons why the healthy wellbeing of a farmer is important in Agricultural production

(2 marks)

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13. Give **three** policies that the has to impose in order to regulate agricultural production.

(3 marks)

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14. Name **four** biotic factors that have negative effects on agricultural production.

(3 marks)

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15. State **four** climatic factors that influence Agricultural production.

(4 marks)

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16. State **three** effects of low temperature on crop production. (3 marks)

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17. a) Identify any **two** methods of increasing light intensity in crop production. (2 marks)

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b) Give the meaning of the following terms as used in light duration. (2 marks)

i) short day

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ii) day neutral

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18. Give **three** soil forming processes. **(3 marks)**

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19 Name the soil horizons which; has ; **(3 marks)**

i) high amounts of nutrients-

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ii) contains a hard pan-

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20. List **three** soil composition **(3 marks)**

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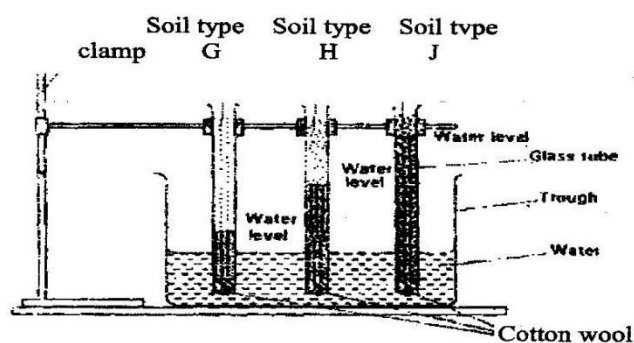
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21. The diagram below shows an experiment set up using soil type G & H and J and observations made after 24 hours. Study the diagram and answer the questions that follow.



a) What is the experiment represented above designed to study? (1 mark)

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b) Name the **three** soil types G & H and J. (3 marks)

G-

H -

J -

c) What is the characteristic texture of soil types G and J? (1 mark)

G-

J-

d) State **two** ways a farmer would improve the structure of soil type G. (4 marks)

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22. The table below shows different types of soil structure. Study and answer the questions that follow.

	Soil structure	Where found
E	Blocky	
F		Top horizons of soils in the forests
G	Platy	
H		Top horizons of cultivated soils