

NAME..... INDEX NO.....

443/1
AGRICULTURE
PAPER 1
JULY/AUGUST, 2014
TIME: 2 HOURS

CANDIDATE'S SIGN.....

DATE.....

KIHARU/KAHURO DISTRICT JOINT EXAMINATION - 2014

Kenya Certificate of Secondary Education
AGRICULTURE
PAPER 1
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- Write your **name** and **index number** in the spaces provided above.
- Sign and write the date of examination in the spaces provided above.
- This paper consists of **THREE** Sections **A**, **B** and **C**.
- Answer all questions in Section **A** and **B** and any **Two** in Section **C**.
- All answers must be written in the spaces provided.

FOR EXAMINER'S USE ONLY

Section	Question	Maximum Score	Candidate's Score
A	1 - 17	30	
B	18 - 21	20	
C	22 - 24	40	
Total Score		90	

SECTION A: (30 MARKS)

Answer all questions in this section in the spaces provided.

1. List **four** ways in which soil mineral matter influences crop production. (2mks)

2. State how the following conditions in carrot production can be prevented. (1½mks)

- (i) Forking _____
(ii) Cracking _____
(iii) Greening _____

3. Give **three** types of capital. (1½mks)

4. Give **four** reasons why seeds may fail to germinate. (2mks)

5. State **three** cultural practices that can be used to control maize streak disease. (1½mks)

6. State **four** advantages of using polythene sleeves in crop propagation. (2mks)

7. State **four** disadvantages of tissue culture. (2mks)

8. Outline **four** causes of poor drainage. (2mks)

9. State **four** factors to consider when selecting a pasture species to establish. (2mks)

10. How much fertilizer labelled 20: 20:0 should be applied to a plot which requires 30kg P₂O₅? (2mks)

11. State **two** reasons for earthing up in a field of maize. (1mk)

12. Outline **four** steps followed during land adjudication. (2mks)

For More Free KCSE Past papers Visit www.freekcsepastpapers.com

13. State **four** ways in which the government can regulate amount of agricultural imported goods. (2mks)

14. Give **three** ways in which agriculture contribute to industrial development. (1½mks)

15. State **two** reasons for drying grains before storage. (1mk)

16. Outline **four** advantages of a mixed legume pasture over a pure grass pasture. (2mks)

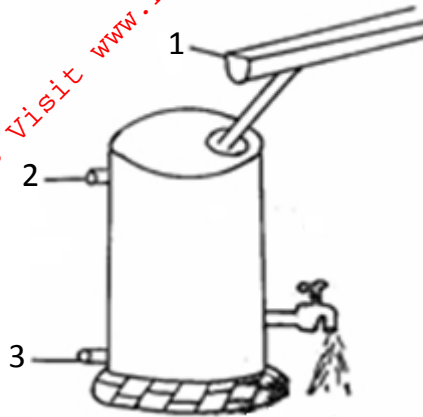
17. State **four** advantages of overhead irrigation. (2mks)

For More Free KCSE Past papers visit www.freekcsepapers.com

SECTION B: (20 MARKS)

Answer all questions in this section in the spaces provided.

18. Below is a diagram of a domestic tank. Study it and answer the questions that follow.



(a) Name the parts labelled 1, 2, 3. (3mks)

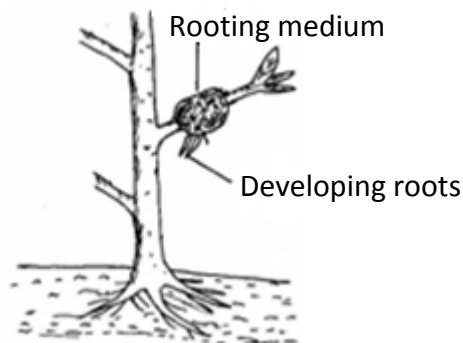
1 _____

2 _____

3 _____

(b) Outline the properties of clean water. (2mks)

19. The following diagram shows a method used in crop propagation.



(a) Identify the propagation method illustrated above. (1mk)

(b) State **three** ways of initiating faster root development in the propagation method. (3mks)

(c) Explain how the above method of propagating crops is carried out. (3mks)

20. Outline **four** factors that determine the choice of correct implement for primary cultivation. (4mks)

21. Outline how soil depth influences crop production. (4mks)

SECTION C: (40 MARKS)

Answer any two questions from this section.

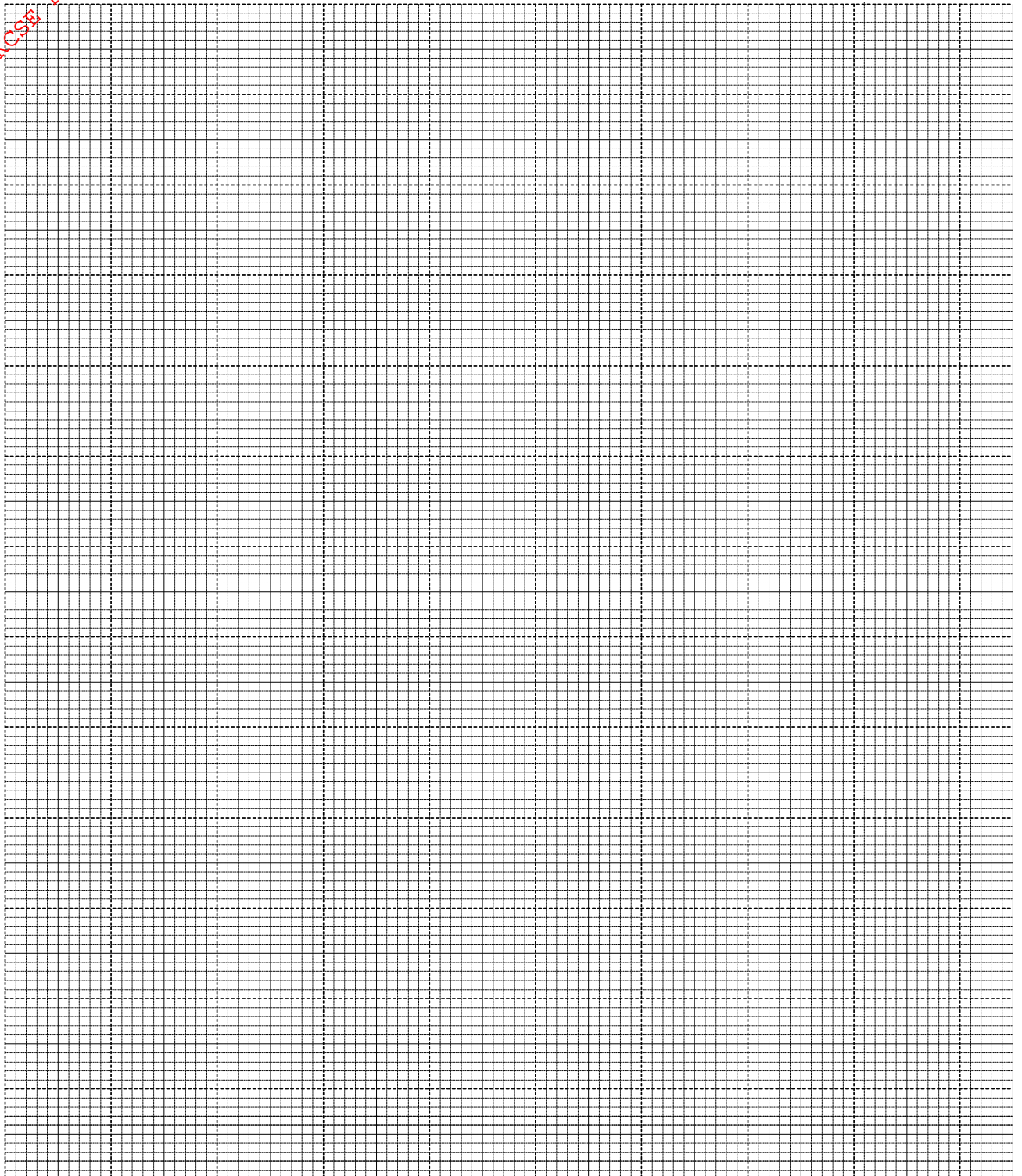
22. Describe dry bean production under the following sub-heading.

- (a) Ecological requirement. (4mks)
- (b) Seedbed preparation. (4mks)
- (c) Planting. (5mks)
- (d) Field management practices. (4mks)
- (e) Harvesting. (3mks)

23. The table below shows demand and supply schedule of tomatoes in a market against price.

Price per 2kgtn	Quantity demanded 2kgtn	Quantity supplied 2kgtn
20	2200	400
50	1550	450
80	1150	650
110	850	850
140	650	1150
170	450	1550
180	400	2200

(a) Using a suitable scale and same axis draw and label supply and demand curves. (8mks)



For More Free KCSE Past papers Visit www.freekcsepastpapers.com

For More Free KCSE Past papers Visit www.freekcsepastpapers.com