

NAME: INDEX NO:

SCHOOL:..... DATE :

CANDIDATE'S SIGNATURE:

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

NANDI CENTRAL JOINT DISTRICT MOCK 2014

Kenya Certificate of Secondary Education (K.C.S.E.)
AGRICULTURE
PAPER 1
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- (a) Write your name and Index number in the spaces provided above.
- (b) Sign and write the date of examination in the spaces provided above.
- (c) This paper consists of *THREE* sections A, B and C.
- (d) Answer *ALL* questions in Section A and B.
- (e) Answer any *TWO* questions in section C.
- (f) Answers should be written in the spaces provided.
- (g) This paper consists of 8 printed pages.
- (h) Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.
- (i) Candidates should answer the questions in English.

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX. SCORE	CANDIDATE SCORE
A	1 – 15	30	
B	16 – 20	20	
C		20	
		20	
Total Score		90	

SECTION A (30 MARKS)
Answer ALL Questions in the Spaces Provided

1. Differentiate between olericulture and pomoculture. (2mks)

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2. Give **four** reasons why a well drained soil is suitable for crop production. (2mks)

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3. State **four** reasons for deep ploughing during land preparation. (2mks)

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4. Name **four** types of water pumps which can be used on the farm. (2mks)

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5. State **four** characteristics that make a crop suitable for green manuring. (2mks)

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6. List any **four** pieces of information which should be shown on Health record. (2mks)

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7. Give **four** reasons for seed selection in crop production. (2mks)

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8. List **five** management practices carried out on a kale nursery two weeks after its establishment. (2½mks)

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9. Differentiate between rogueing and thinning. (2mks)

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10. Name **three** diseases that attack cabbage. (1½mks)

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11. State **four** ecological requirements of tomatoes. (2mks)

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12. List **four** factors that will lower demand of a commodity. (2mks)

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13. State **four** routine practices of care and management of trees. (2mks)

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14. State **four** ways by which a farmer can make efficient use of a pasture crop. (2mks)

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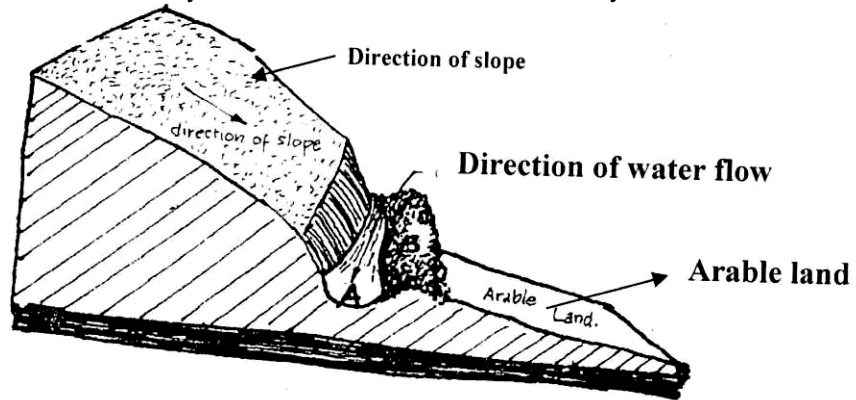
15. List **four** pieces of information found on a title deed. (2mks)

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SECTION B (20 MARKS)

Answer all questions in the spaces provided in this section

16. The illustration below shows a newly constructed cut-off drain. Study it and answer the questions that follow.

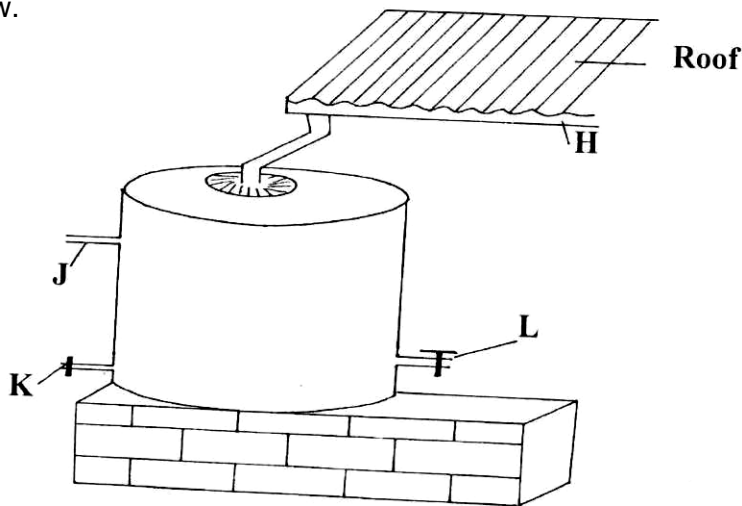


(a) (i) How can part of the structure labeled B be stabilized after it has been constructed? (1mk)

(ii) Identify the part of the cut-off drain labeled A. (1mk)

(b) Describe the procedure of constructing a cut-off drain. (2mks)

17. The diagram below shows a house water storage tank. Study it and answer the questions that follow.



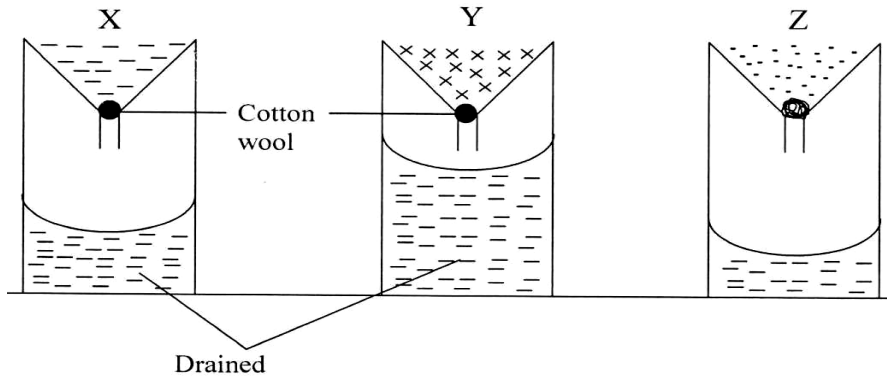
(a) Identify the parts of the tank labeled:

H:..... (1mk)

K:..... (1mk)

(b) Give the function of the part labeled J. (1mk)

18. The experiment below was set to compare the porosity and water holding capacity of three different types of soils.



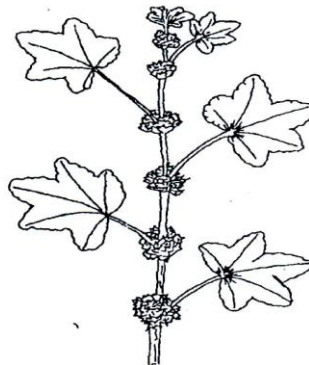
- (i) Identify the soils in each of the following funnels labeled. (1½mks)
 X:.....
 Y:.....
 Z:.....
- (ii) Which of the types of soil can be said to have the highest porosity rate? (½mk)

- (iii) Give reasons for your answers in (ii) above. (2mks)

- (iv) Which type of soil would be suitable for planting paddy rice? (1mk)

- (v) Explain your answer in (iv) above. (1mk)

19. Below is a diagram of a Common East African Weed.



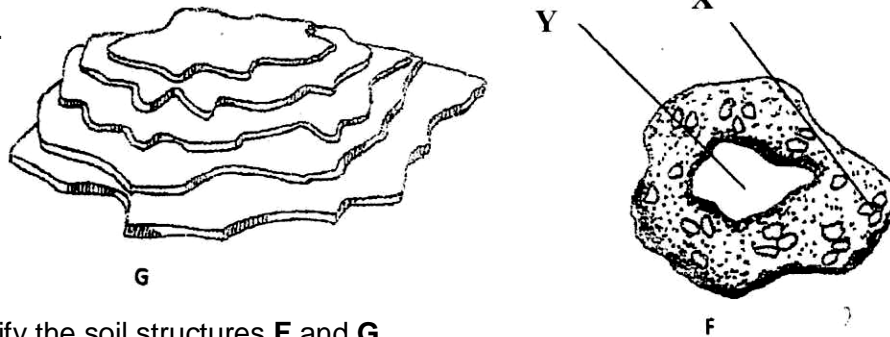
- (i) Identify the weed illustrated above. (1mk)

- (ii) Give one harmful effect of the weed illustrated above to livestock. (1mk)

(iii) State **two** methods of controlling the weed illustrated above. (1mk)

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20. The diagrams below illustrate some soil structures. Study them and answer the questions that follow.



(a) Identify the soil structures **F** and **G**. (1mk)

F:.....

G:.....

(b) Name the part labeled **X** and **Y** in diagram **F**. (1mk)

X:.....

Y:.....

(c) State **two** ways through which structure **G** influence crop production. (2mks)

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SECTION C (40 MARKS)

Answer any two questions from this section in the spaces provided

21. (i) Describe the field production of irrigated rice under the following sub-headings:

(a) Field preparation. (6mks)

(b) Water control (3mks)

(c) Field management (5mks)

(ii) Describe the precautions taken while harvesting:

(a) Pyrethrum (3mks)

(b) Tea (3mks)

22. (a) Name **two** types of inventory records in the farm. (1mk)

(b) Explain **six** importance of farm budgeting. (6mks)

(c) The inventory for Kipsinende farm as at 01.06.2011

	Kshs.
Cash at hand	5,000
Broilers	30,000
Maize in store	7,000
Calves	15,000

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ANSWERS:

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