CROP PRODUCTION I (LAND PREPARATION)

KCSE QUICK REVISION

Compilation of Possible Questions in Agriculture Likely to be Examined in KCSE.

A Special Analysis of Prediction Questions that may be Tested in KCSE from this Topic in Form 1.

AGRICULTURE

SERIES 1

For Marking Schemes

Mr Isaboke 0746 222 000

MWALIMU CONSULTANCY

CROP PRODUCTION I (LAND PREPARATION)

- ✓ **Land preparation entails the following farming practices.**
- ✓ **Land clearing or bush clearing tools, chemicals and equipment used.**
- ✓ **Primary cultivation, tools and equipment as machines used.**
- ✓ **Primary cultivation, tools and equipment as machines used.**
- ✓ **Secondary cultivation, tools and equipment used.**
- ✓ **Tertiary operations e.g. ridging, rolling and leveling.**
- ✓ **Sub-soiling, tools used and reasons for the same.**
- ✓ **Minimum tillage and reasons for the secure.**

The following relevant questions and their answers in this topic will greatly help and motivate the user to comprehend and understand the required concepts and farming practices:

1. State 4 reasons for primary cultivation.

2. State four reasons for primary cultivation.

3. State four factors which determine the depth of Ploughing.

4. (a) Give tow reasons why the use of fire should be discouraged in clearing land during seedbed preparation.

b) Give tow reasons for secondary cultivation.

c) State two benefits of minimum tillage in crop production.

5. List four implements used to carry out secondary cultivation

6. State two causes of hard pans in a crop field.

7. Give the maintenance practices of a disc plough.

7. State reasons why use of fire in clearing land is discouraged.

8. Outline the main reasons for secondary tillage.

9. State the main benefits of minimum tillage

10. **a)** State one condition under which a farmer would prefer to use an ox-cart instead of tractor drawn trailer.

b) Give three maintenance practices carried on an ox plough.

11. Give four farming practices that may help in achieving minimum tillage.

12. Give **three** factors that determine depth of ploughing during land preparation

13. List **four** reasons for cultivating land before planting

14. (a) What is minimum tillage?

(b) Give four farming practices that help in achieving minimum tillage.

15. **(a)** Describe the establishment of grass pasture from the time the land is ploughed using a mould board plough to the time the pasture is ready for grazing

(b) Explain **five** practices that a farmer should carry out to ensure uniform germination of seeds

(c) Describe **five** factors that determine the number of cultivations when preparing a seedbed

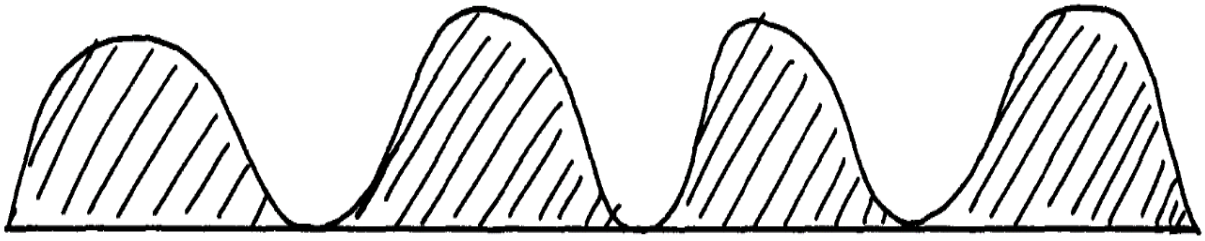
16. State **four** physical conditions of the seedbed that need to be changed to facilitate germination

17. State **four** importance of sub soiling as a tertiary operation

18. Outline **four** advantages of rolling in seedbed preparation

19. State **four** disadvantages of minimum tillage

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



a) Identify the tertiary operation

b) (i) State the importance of the tertiary operation identified in **20(a)** above

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

21. Give **two** reasons why it is advisable to cultivate the field during the dry season

22. How are hard pans caused by cultivation?

23. Give **four** factors that determine the number of secondary cultivation operations

24. Define the term minimum tillage

25. List four advantages of timely planting

26. State any **two** factors that determine the number of cultivation on a field before it is ready for planting

27. Give **three** benefits of timely planting of annual crops

28. State **four** factors determining the depth of ploughing land

THE END

FOR MARKING SCHEMES/ANSWERS

CONTACT MR ISABOKE

0746-222-000

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CALL/TEXT 0746 222 000

mwalimuconsultancy@gmail.com

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BY

MR ISABOKE

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