NAME:_____

INDEX No:_____

CLASS:_____


# AGRICULTURE
## 443/1


# ALLIANCE HIGH SCHOOL
## TRIALS EXAM 2015
## PAPER 1
## TIME: 2HOURS


## Instructions to Candidates

* Write your name and Index Number in the spaces provided.
* This paper consists of three sections A, B and C.
* Answer all the questions in Section A and B.
* Answer two questions from section C.


For Examiners Use only

| Section | Questions | Max Score | Candidate's Score |
|---------|-----------|-----------|-------------------|
| A | 1 – 18 | 30 | |
| B | 19 – 21 | 20 | |
| C | | 20 | |
| | | 20 | |
| | | Total Score | |

1.  State the Law of diminishing returns.                                          (½ mk)

    _____

    _____

2.  Give three advantages of using budding instead of seedlings in citrus production.
                                                                                   (1 ½ mks)

    _____

    _____

    _____

3.  State two measures that government has taken to control diseases of parasites. (1 mk)

    _____

    _____

4.  a)    Differentiate between pollarding & coppicing.                            (1 mk)

    _____

    _____

    b)    List three agro forestry practices.                                      (1 ½ mks)

    _____

    _____

    _____

5.  Define the term intensity of defoliation in pasture utilisation.               (½ mk)

    _____

    _____

6.  Mention four methods of land reforms.                                          (2 mks)

    _____

    _____

    _____

    _____

7.  Name three examples of bird pests.                                             (1 ½ mks)

    _____

    _____

    _____

8. Name two ionic forms in which nitrogen is absorbed by plants. (1 mk)

_____

_____

9. Give two roles of land as a factor of production in agric production. (1 mk)

_____

_____

10. State four factors that may limit a farmer from keeping proper farm records. (2 mks)

_____

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11. State two conditions that exist for a market to be purely competitive.. (1 mk)

_____

_____

12. State four functions of National Cereals & Produce Board. (N.C.P.B.) ·(2 mks)

_____

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13. Name four research stations that deal with crops. (2 mks)

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14. State three causes of blossom end rot (½ mk)

_____

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_____

15. Mention four reasons of staking in tomatoes. (2 mks)

_____

16. Name the two latin words from which the term Agriculture was derived.    (1 mk)

17. Why is it important to process Agricultural products before marketing? Give four reasons.
                                                                                    (2 mks)

18. List three methods of forage conservation                            (1 ½ mks)

19. Name any four crops managed through earthing up.                     (2 mks).

20. a)    What is a micro-catchment in soil & water conservation.        ( ½ mk)

    b)    State two benefits of micro catchment                          (2 mks)

## SECTION C. -    (40 MARKS)

**Answer any two questions in this section.**

25. a) Describe the principle of preserving silage. (5 mks)

    b) Explain the meaning of risk and uncertainities. (2 mks)

    c) Explain the various risks and uncertainities in the farm. (5 mks)

    d) Describe the various cultural methods of controlling weeds. (8 mks)


26. a) Explain the various principles of co-operatives. (8 mks)

    b) Outline six advantages of budgeting. (6 mks)

    c) Describe six human factors that influences agriculture. (6 mks)


27. Describe bean production under the following sub-headings

    a) seedbed preparation. (5 mks)

    b) planting (6 mks)

    c) Field operations (6 mks)

    d) Harvesting (3 mks)
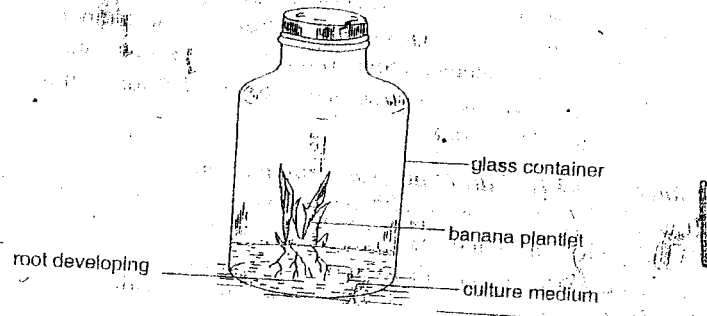
_____ (1 mk)

b) Label the parts A and B.

    A _____ (1 mk)

    B _____

c) What precaution is taken to maintain part B.

    (1 mk)

_____

d) State four areas in which it takes the water to

    (2 mks)

_____

_____

_____

_____

24.



root developing — glass container — banana plantlet — culture medium

a) Identify the above methods of propagation.

    (1 mk)

_____

b) State four stages of its preparation.

    (2 mks)

c) State four advantages of using the above method.

    (2 mks)

_____

_____

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_____