

Name:..... Adm no.....

School:..... Candidate's signature.....

443/1
AGRICULTURE
PAPER 1
OCT/NOV 2010
2 HOURS

SOUTH LINK JOINT EVALUATION TEST *FORM THREE*

**Agriculture
Paper1.**

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 section **A, B and C**
- Answer **all** the questions in Section **A and B**
- Answer **any** two questions in section **C**.
- Answers should be written in the spaces provided.
- Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing

For Examiners' Use Only

Section	Questions	Maximum score	Candidate's score
A	1-21	30	
B	22-27	20	
C		20	
		20	
	Total score	90	

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.

SECTION A (30MKS)

Answer ALL the question in this section in the spaces provided.

1. In which form is nitrogen absorbed by plants (1mk)

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2. Define the term rogueing in crop production (1mk)

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3. List any **four** types of soil structure. (2mks)

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4. Give any **two** ways of reclaiming swampy areas. (2mks)

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5. Differentiate the following terms: (2mks)

Oversowing.

.....

Undersowing.

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6. Name **three** sources of water on the farm. (1 ½ mk)

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7. What role does wood ashes play in preparation of compost manure (1mk)

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8. Give any **two** agricultural practices that cause water pollution (2mks)

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9. What is drainage as land reclamation method (1mk)

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10. List **two** methods breaking seed dormancy. (1mk)

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11. Name **two** categories of tomato varieties. (1mk)

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12. A fertilizer bag from MEA LTD was labeled 18: 46: 0
(a) What do these figures stand for ? (1½mks)

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(b) List the **two** methods of soil sampling (1mk)

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13. What causes hardpan in the farm during. (1mk)

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14. List **two** legumes forage found in the medium ecological zone (1mk)

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15. Name **two** groups in which essential plant nutrients are classified. (1mk)

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16. Which crop requires chilling? (1mk)

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17. Define the farm topping in forage crops? (1mk)

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18. Give **two** advantages of rotational grazing (2mks)

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19. State **four** causes of land fragmentation and subdivision. (2mks)

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20. Distinguish between land settlement and land resettlement. (2mks)

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21. Name any **two** types of terraces (1mk)

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Section B (20 MARKS)

Answer ALL the question in this section in the spaces provided.

22. a) Give **two** factors determining the competitive ability of weeds (2mks)

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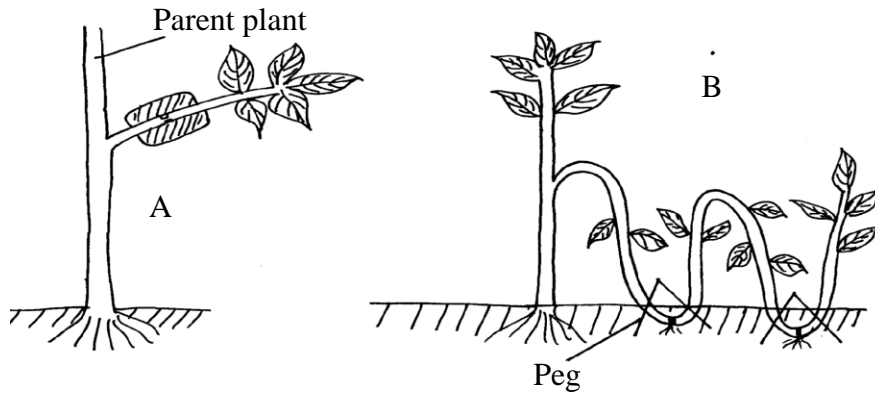
b) State **four** methods of controlling crops pests. (4mks)

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23. Study the diagrams below and answer the question that follow:



(i) Name the methods of propagation in (1mk)

A.....

B.....

(ii) Give the classification of the methods above (1mk)

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24. Give the importance of mulching (3mks)

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25. Explain the process of harvesting tea (5mks)

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26. Give **two** reasons for carrying out minimum tillage (2mks)

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