

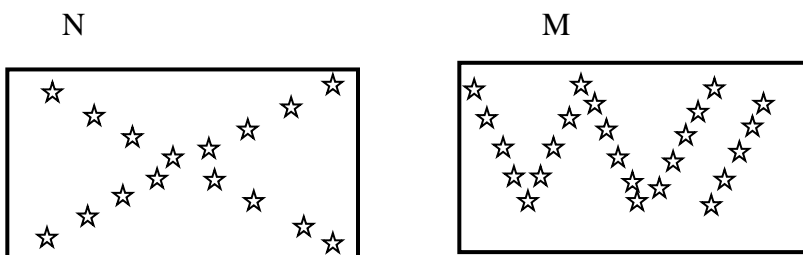
DUDI GIRLS SCHOOL – OYUGIS.

2024 FORM TWO AGRICULTURE APRIL HOLIDAY ASSIGNMENT

INSTRUCTIONS

Answer all the questions in your holiday assignment exercise book

1. State three sources of essential plant elements (3mks)
2. Give three effects of excess nitrogen in crops (3mks)
3. State three functions of potassium to plants (3mks)
4. Give three basis on which inorganic fertilizers are classified. (3mks)
5. Give three general characteristics of phosphatic fertilizers (3mks)
6. A farmer was advised to apply 60kg N, 45kg Phosphorous and 50 kg potassium to obtain high maize yields. The fertilizer materials available were sulphate of ammonia containing 21 %N, single super phosphate containing 20% phosphorous. Calculate the amount of each of the available materials the farmer would apply to meet the requirements. (4mks)
7. Give three reasons for testing soil. (3mks)
8. Outline four advantages of seed propagation in crop production (4mks)
9. Outline three ways of preparing selected planting materials for planting. (3mks)
10. Give four advantages of timely planting. (4mks)
11. Differentiate between over-sowing and under- sowing methods of planting. (2mks)
12. A farmer planted maize on a plot measuring 6m x 4m at spacing of 75cm x 20cm. Calculate the plant population. (3mks)
13. Give four factors which determine the seed rate (4mks)
14. Give four characteristics of good root for grafting (4mks)
15. State three reasons of using certified seeds for planting. (3mks)
16. The diagram below represents two methods of soil sampling.



- a) Identify the methods N and M (2marks)
 - b) State two precautions observed when carrying out the practices in diagrams N and M
 - c). Describe the procedure of soil sampling (10mks)
17. Give six factors that influence the spacing of crops during planting. (6mks)

PARENT/GUARDIAN'S NAME

ID/No. SIGNATUREDATE