

FORM TWO
AGRICULTURE
TIME: 1 HOUR 15 MINUTES

NAME.....ADM..... CLASS.....

1. a) What is soil sampling (1mark)

b) State **two** soil sampling methods (2marks)

2. Define the following term (3 marks)

a) chlorosis

b) chitting

c) plant population

3. Give **two** symptoms common on crops deficient in nitrogen and potassium (2marks)

4. Give **two** sources of phosphorous in the soil. (2marks)

5. State **two** functions of iron in plants. (2marks)

6. Distinguish between Fertilizer grade and Fertilizer ratio.(2marks)

7. Give **two** type of labour records (2marks)

8. Differentiate between macro-nutrient and micro-nutrient (2marks)

9. Why is it not recommended to apply nitrogenous fertilizers at the time of planting(2marks)

- 10.State **five** factor considered in timely planting (5marks)

11.State **five** factors considered in choosing seed rate (5 marks)

12.Explain **five** methods of fertilizer application (5 marks)

13.List **five** importance of livestock (5marks)

14.Name **five** uses of farm records (5 marks)

15. Suppose a soil is deficient in all three primary macro-nutrient and in a field test it is found that the following should be applied: 60kg N, 30kg P_2O_5 and 40 kg K_2O per hectare.

Calculate the amount of Sulphate of ammonia, Single Superphosphate and Potassium Chloride required per hectare. Given that: Sulphate of Ammonia is (20% N), Single Superphosphate is (20% P_2O_5) and Muriate of Potash is (50% K_2O)

a) Sulphate of Ammonia (2marks)

b) Single Superphosphate (2marks)

c) Muriate of Potash (marks)