***GATITU MIXED SECONDARY SCHOOL***

 ***END OF TERM I EXAMS – 2013***

 ***FORM 2 AGRICULTURE***

1. State four advantages of rotational grazing g (4mks)

1. Outline four general deficiency symptoms of crop s (4mks)
2. Name three method s used to apply chemical s to crop protection against diseases (3mks)
3. Outline four harmful effects of diseases (4mks)
4. List two non pathogenic causes of diseases (4mks)
5. Give five advantages of rolling of seed bed (5mks)
6. State five influences of soil depth to the soil and crop production (5mks)
7. State advantages of using tissue culture in crop propagation (3mks)

SECTION B (20MKS)

1. Study the illustration below and answer the question that follows;

1. What do the figures labeled on the diagram stand for? (3mks)
2. What class of inorganic fertilizer does DAP belong to? And why? (2mks)
3. State the recommended time o f application of this fertilizer (1mk)
4. Give any two characteristic s of this fertilizer (2mks)
5. Sulphate of ammonia (SA) and calcium ammonium nitrate (CAN) have approximately the same percentage of nitrogen. Which of the two fertilizer would you recommended on soil that is already acidic and why/ (2mks)

ii). If a field o f tea requires 2000 kg/ha sulphate of ammonia for top dressing ,how much nitrogen content will be available to the soil (SA 21% N) (2mks)

iii). Give three reasons why Nitrogenous fertilizers are use d for top dressing and not for planting. (3mks)

b. Outline the procedure of applying urea to an established cabbage crop (4mks)

c. What is a fertilizer grade (1mk?)

 SECTION C

 *(Answer any question from this section)*

1. a) Explain ways in which soil loses fertility (10mks)

 b) Explain the benefits of using organic mulches (10mks)

1. a) What is ill health in livestock (2mks)

b) Describe the signs of ill health in livestock (18mks)

1. a) Explain the various breeding systems (15mks)

 b) Give reasons for breeding animals (5mks)