***GATITU DAY MIXED SEC SCHOOL TIME:1 HR***

***TERM 2 2012 C.A.T 1***

***BIOLOGY FORM 3***

1. Differentiate between ecology and genetics (2mks)

2. Explain four characteristics of living things (4mks)

3. Define the term species as used in classification (2mks)

4. Give three differences between plant cell and animal cell (3mks)

5. Define the term osmosis potential (2mks)

6. Give three properties of lipids (3mks)

7. Give two tissues involved in transport in plants (2mks)

8. Explain three types of transpiration in plants (6mks)

9. Explain how the following factors affect transpiration

i. Luticle (2mks)

ii. Leaf size and shape (2mks)

iii. Hairy leaves (2mks)

10. Differentiate between single and double circulation (2mks)

11. Give four characteristics of respiratory surfaces in animals (4mks)

12. Give four characteristics of kingdom Monera (4mks)

13. Define the term Biosphere as used in ecology (1mk)

14. Define the term pollution (2mks)

15. Give two types of cell division (2mks)

16. Differentiate between intraspecific and interspecific competition (2mks)

17. Give three differences between Meiosis and Mitosis (3mks)