**GATITU MIXED SECONDARY SCHOOL**

**BIOLOGY FORM 3 MID EXAM TERM 2 2014**

1. Name the structures used for locomotion in each of the following organisms: 2mks
2. Euglena
3. paramecium
4. Black jack (Bidens pilosa) belongs to the family compositae.What is the plants. 2mks
5. Name two metabolic waste products in
6. Birds 2mks
7. Plants 2mks
8. Name two parts in the human body with cilia. 2mks
9. The diagram below represents a closed stoma.



1. Identify the cells labeled A and B. 2mks
2. Name the substances excreted through the stomata. 1mk
3. State on adaptation of the guard cell to its function. 1mk
4. The equation below shows what happens in cellular respiration

C18H36 + 26O2 → 18 CO2 + 18H2O + Energy

1. Name the type of respiration shown and where it occurs in a cell. 2mks
2. Determine the respiratory quotient of the process. 2mks
3. What food substance is broken in the respiration? 1mk
4. List two features of the small intestine that increase its surface area 2mks
5. Explain why food is stored in an insoluble form in the cells of living organisms. 2mks
6. State the difference between assimilation and absorption of food nutrients. 2mks
7. Differentiate between lactic fermentation and alcoholic fermentation. 4mks
8. Water logging can cause death of some plants, explain. 2mks
9. Distinguish between plasmolysis and haemolysis. 2mks
10. Give three examples of gaseous exchange surface in animals and the animals they are found in. 3mks
11. State the significance of photosynthesis. 3mks
12. Explain how the mammalian kidney is adapted to its functions. 13mks