KAHUHO UHURU HIGH SCHOOL

NAME.................................................................................................... ADM NO..............................

SCIENCE DEPARTMENT

Supplimentary EXAMS

TERM TWO 2013

FORM 2: BIOLOGY

TIME: 1 HOUR

**INSTRUCTIONS:**

* *Answer* ***ALL*** *questions in this paper in the spaces provided*

1. State two factors that determine energy requirements in human beings (2mks)
2. Explain why enzymes trypsin and pepsin are produced in precursor forms (2mks)
3. Give a reason why the digestion of starch started in the mouth with the help of salivary amylase is not continued in the stomach (2mks)
4. State the final products of digestion for:
5. Carbohydrates
6. Proteins
7. Lipids (3mks)
8. State two structural differences between arteries and veins (2mks)
9. Distinguish between :
10. Open and closed circulation (2mks)
11. Single and double circulation (2mks)
12. State two adaptations of red blood cells to their functions (2mks)
13. Explain how the following plant adaptations minimise rate of transpiration
14. Sunken stomata
15. Leaf folding (4mks)
16. Why are the xylem vessels more efficient in transportation of water than tracheids (2mks)
17. State two components of the phloem (2mks)