KERUGOYA BOYS HIGH SCHOOL

FORM FOUR BIOLOGY SPEED TEST 1 JAN 2016

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

**ANSWER ALL QUESTIONS IN THE SPACES PROVIDED**

1. State the kingdom to which the following organisms belong. (3 marks)
2. Bacteria
3. Amoeba
4. Tapeworm
5. What is the role of a sweep net? (1 mark)
6. State the functions of the following tissues;
7. Epithelial tissue. (1 mark)
8. Parenchyma tissue (1 mark)
9. Blood tissue (1 mark)
10. State the role of a semi-permeable membrane. (1 mark)
11. Equal strips A, B, C and D were cut from a potato cell was 28.5% of sugar. The strips were placed in sugar solutions of different concentrations as follows: A 10%, B 15%, C 28.5%, and D 35%.
12. State the change in texture and length observed in the strips placed in;
13. Solution B

Texture (1 mark)

Length (1 mark)

1. Solution c

Texture (1 mark)

Length (1 mark)

1. Solution D

Texture (1 mark)

Length (1 mark)

1. Which terms describe solution A,C and solution D with respect to the concentration of the strips

Solution A (1 mark)

Solution C (1 mark)

Solution D (1 mark

1. Name the reagents used in testing the presence of the following food substances
2. Reducing sugars (1 mark)
3. Starch (1 mark)
4. Vit. C (1 mark)
5. Name the carbohydrates that is;
6. Stored in plants seeds (1 mark)
7. Stored in mammalian liver (1 mark)
8. Most abundant in human blood (1 mark)
9. What happens to the products of photosynthesis? (4 marks)
10. Name the process that takes place in the dark stage during photosynthesis (1 mark)
11. Describe how the mammalian intestines are adapted to perform their functions (12 marks)