**RWAMAGANA DISTRICT**

**G.S MUYUMBU**

**DATE: 16/12/2021**

**CLASS: S3**

**FIRST TERM EXAMINATION**

**SUBJECT : BIOLOGY /40 MARKS**

1. a) Define the term parasitism . **( 1mark)**

b) Differentiate between types of parasite **( 2 Marks )**

c) what are the effect of parasite ? **( 2 Marks )**

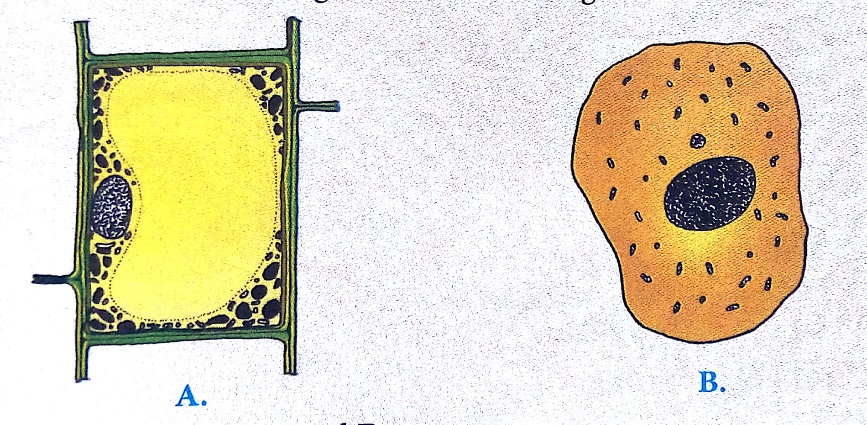
1. Why is competition among organisms of the same species healthy? **(2marks)**
2. a) How an acid rain is formed. **( 2marks)**

b) Explain how acid rain can be prevented. **( 2marks)**

1. What is the effect of predation? **( 3marks)**
2. Each chromosome consists of two identical …………………… **( 2marks)**
3. Genes
4. Nuclei
5. Chromatids
6. Bases
7. Malaria is caused by a parasite called plasmodium. which insect transmits Malaria? **( 2marks)**
8. Tsetse flies
9. Fruit flies
10. Anopheles mosquito
11. Female culex mosquito
12. a) Define the term “photosynthesis “. **( 2marks)**

b) Describe the conditions necessary for photosynthesis. **( 2marks)**

1. Differentiate between osmosis and diffusion . **( 3marks)**
2. The cells below belong to two different organisms



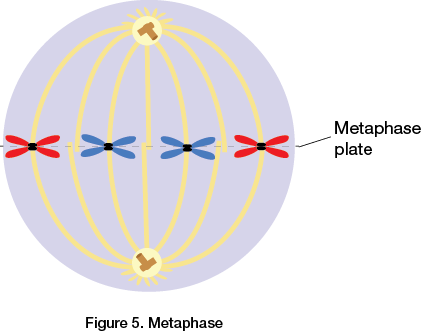
1. Identify cell A and B **( 2marks)**
2. Compare the structure of the two cells **( 2marks)**
3. a) Define the term population **( 1Mark )**

b) Explain the factors that affect the rate of population growth of an organisms. **( 2marks)**

1. What are the measures taken by Rwandan government to protect environment . **( 3 Marks )**
2. How can we conserve the environment better ( importance of conservation ) ? **( 2 Marks )**
3. Arrange the following from the smallest to the largest .**( 2 Marks )**

**Tissue**, **organism** , **system** , **organelle**, **cell**, **organ**

1. The figure below shows one of the stage of mitosis of cell division



1. Which stage is represented in this figure ? **( 1 marks)**
2. Describe behavior of chromosomes in this stage. **( 2 marks)**

BEST WISHES!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!