**NO4**

**QUESTIONS FOR EVALUATION**

1. a) Describe the difference between parasite and a pathogen. **( 3marks)**

b) list at least one disease caused by each of the following. **( 3marks)**

i) virus

ii) bacteria

iii) fungi

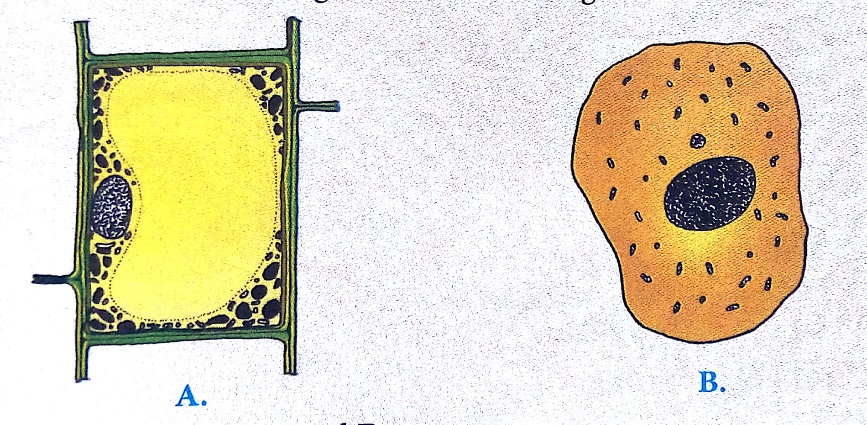
1. Why is competition among organisms of the same species healthy? **(2marks)**
2. a) How an acid rain is formed. **( 2marks)**

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. Frogs are examples of **( 2marks)**
8. Amphibian
9. Birds
10. Reptiles
11. Mammals
12. Malaria is caused by a parasite called plasmodium. which insect transmits Malaria? **( 2marks)**
13. Tsetse flies
14. Fruit flies
15. Anopheles mosquito
16. Female culex mosquito
17. a) Define the term “photosynthesis “. **( 2marks)**

b) Describe the conditions necessary for photosynthesis. **( 3marks)**

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. Indicate whether the following statements are **TRUE** or **FALSE ( 3marks)**
4. Meiosis gives rise to haploid condition
5. Commensalisms is a relationship between two organisms where both benefit.
6. Diploid is a full number of chromosomes.
7. Explain the factors that affect the rate of population growth of an organisms. **( 4marks)**