GATITU MIXED SECONDARY SCHOOL

BIOLOGY FORM III

C.A.T II TERM II 2013

NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ADM:\_\_\_\_\_\_\_\_\_\_\_\_DATE:\_\_\_\_\_

1. Define the following terms.

(a) Ecological niche (1mk)

(b) Carrying capacity (1mk)

(c)Interspecific competition (1mk)

(d)Intraspecific completion (1mk)

2. Distinguish between biotic and a biotic factors (2mks)

3. Who is the father of classification? (1mk)

4. Explain why amoeba does not burst open in fresh water while red blood cell burst when given the same treatment. (2mks)

5. Distinguish between symbiosis and parasitism.(2mks)

6.(a)What is eutrophication? (2mks)

(b)State two possible causes of eutrophication (2mks)

(c) What problem does eutrophication create in aquatic ecosystems.(2mks)

7. Name the causative agent of each of the following diseases (2mk)

(a)Malaria (1mk)

(b)Amoebic dysentery (1mk)

(c)Typhoid (1mk)

8. (a )Define the term cell physiology. (1mk)

(b)Apart from temperature, explain other two factors that affect the rate of diffusion (4mks)

9. What do you understand by the following phrases and terminologies as used in classification? (8mks)

(a) Thalloids

(b)Alternation of generations

(c)Cephalothoraxes

(d)Notochord

10 .A millipede, grasshopper and crayfish all belong to phylum Athropoda.Mention **THREE** major characteristics that they have in common.(3mks)

11. Enumerate **four** factors that determine energy requirement in human beings. (4mks)

12. List any two distinguishing features of class arachnida. (2mks)

It does not matter who you are,where you come from but its all about;

Your goals,mission, vision and determination that determines your success.

**KARANJA BENARD**