**GATITU MIXED SECONDARY SCHOOL**

 **ENDOF TERM 1 EXAMS- 2013**

 **FORM 2 BIOLOGY**

1. State the functions of the following parts of the microscope (3mks)

 Condenser

 Body tube

 Mirror

2. Below shows a certain cell organelle

 i) Name the cell organelle above(1mk)

 ii) State the functions of part labeled A (1mk)

 iii) Name the following parts (3mks)

 A

 B

 C

3. Name an enzyme that is secreted in the saliva (1mk)

4. i) Name three arteries that transport oxygenated blood(3mks)

 ii) Exp lain the pumping mechanisms of heart in the diastole (relaxation) (4mks)

 ii) Name the two nerves that controls the heartbeat and state their functions (4mks)

5. Define the following terms (3mks)

 a) Saprophytism

 b) Parasitism

 c) Symbiosis

6. What is the importance of the following biological equipments (3mks)

 a) Pooter

 b) Sweep net

 c) Pit fall trap

7. a) Define the term dentition (1mk)

 b) Write the dental formula for an adult human being (3mks)

8. State five ways that adapt carnivores to their mode of feeding (5mks)

9. Outline four differences between arteries and veins (4mks)

10. Give the vitamin or diseases to complete the following table

 Vitamin disease

 Beriberi

 Vitamin k

 Vitamin E

 Pellagra

 Vitamin A

11. Give three examples of disaccharides and polysaccharides (3mks)

12. Name the strengthening tissue of sclerenchyma (1mk)

13. Define transpiration and highlight three type s of transpiration (4mks)

14 Name 3 structural and environmental factors that affect the rate o f transpiration (3mks)

15. Name the membrane that en closes the heart (1mk)

16. Name the three types of blood circulation in the heart (3mks)

17. Name and explain three diseases or defects of circulatory systems (6mks)

18 Name the four components of blood and their properties (4mks)

19. Describe the process of digestion of food in human beings (20mks)

 Or

20. Discuss and explain the structure and components of blood (20mks)

 All the best in your exams

 MR.KARIuki