GATITU DAY SEC SCHOOL TIME:1 HR

TERM 2 2012 C.A.T 1

BIOLOGY FORM FOUR

1. Differentiate batony and zoology (2mks)

2. Give the functions of a pooter as used in specimens collection (1mk)

3. What is species as used in classification (1mk)

4. Define the term cell specialization (2mks)

5. Differentiate between diffusion and osmosis as used in cell physiology (2mks)

6. Name the process involved in the following reactions.

Glucose +Glucose A→ Maltose +Water

 B←

i. process A (1mk)

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7. Give the tissues involved in transport in plants (2mks)

8. Give the functions of pericycle in plants (1mk)

9 . Explain two structural factors that affect the rate of transpiration in plants (4mks)

10. What is the function of pacemaker in the heart (1mk)

11. Give two diseases that children are immunized against (2mks)

12. What is the causative agent of whooping cough (1mk)

13. Name the organelle involved in respiration (1mk)

14. Give three function of a liver (3mks)

15. Give five characteristics of class Pisces (5mks)

16. Differentiate between habitat and ecological niche (2mks)

17. Give 5 adaptive characteristics of Ascaris lumbricoides (5mks)

18. Give three growth hormones in plants. (3mks)

19. Differentiate between discontinuous and continuous variation. (2mks)

20. In a garden of pea, the genes that determines red flowers is dominant while the white flowers is homozygous. Determine the first filial generation. (4mks)

21. Differentiate between sensitivity and stimulus. (2mks)

22. Give the difference between Tropism and Taxes. (2mks)