**NAME: ……………………………………………ADM.NO.…………….STREAM…………**

**BIOLOGY FORM ONE**

**END OF TERM EXAM – TERM TWO**

* **Answer all questions in the spaces provided.**
1. Give three rules governing binomial nomenclature (3 marks)
2. Give any three precautionally measures observed during specimen collection. (2 marks)
3. The diagram below represents a part of a cell membrane.

Name parts A and B. (2 marks)

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which property does part B give to the cell membrane? (1 mark)
2. State three roles of active transport in living organisms. (3 marks)
3. State and explain any three characteristics shown by living things but not non-living things. (6 marks)
4. Explain the following branches of Biology:- (6 marks)
5. Zoology
6. Genetic
7. Anatomy
8. Complete the table:- (5marks)

|  |  |  |
| --- | --- | --- |
| **Eye piece lens** | **Objective lens** | **Total Magnification** |
| X4 | X36 |  |
|  | X25 | X125 |
| X13 |  | X234 |

1. State the functions of the below parts of a microscope:- (10 marks)
2. Fine adjustment knob
3. The mirror
4. Diaphragm
5. Condenser
6. Ocular/Eye piece
7. Name the examples of organism that belong to the following kingdom. (8 marks)
8. Monera
9. Insect
10. Anthropoda
11. Fungi
12. Differentiate between an organelle and a cell. (2 marks)
13. Define the following terms:- (6 marks)
14. Organ system
15. Tissue
16. Organ
17. State five factors that are controlled by the nucleus. (5 marks)
18. State and explain the factors affecting the rate of diffusion. (5 marks)
19. Explain the differences between:- (6 marks)
20. Osmotic pressure and osmotic potential
21. Tugor pressure and wall pressure
22. Plasmolysis and wilting