**MIDTERM CAT EXAMS 2024**

**BIOLOGY**

**FORM 1**

**NAME……………………………….…...................................……….CLASS………….ADM……..**

1. Give three differences between plants and animals(3mks)
2. What is the term used for the intake of oxygen and release of carbon (iv)oxide by living organisms?(1mk)
3. Define the following terms:
4. cell
5. tissue
6. an organ
7. an organ system (8mks)
8. List four differences between light and electron microscope(8mks)
9. Study instrument below and answer the following questions.



1. Name the parts labelled A, B, C, D, E and F. (6 marks)
2. State the functions of the following cell organelles: (4 marks)
3. Ribosome
4. Golgi apparatus
5. Lysosome
6. Nucleus
7. Explain how the following factors affect diffusion:
8. Diffusion gradient
9. Thickness of tissues
10. Temperature (6mks )
11. List five skills that are gained on studying biology(5mks)
12. State five rules that should be observed when handling a light microscope(5mks)
13. Define the term nutrition(2mks )
14. Distinguish between autotrophism and heterotrophism (2mks)
15. Explain four roles of osmosis in living organisms (8mks )
16. A student observing a leg of an insect under a hand lens made a drawing of the leg whose length was 4cm with a magnification of ×2 what was the actual length of the leg? (3mks )