

UNIVERSITY OF ELDORET  
BIO 211: GENERAL BIOCHEMISTRY  
CAT 1

**Instructions:** Answer all questions ( 40 mks)

1. Describe five chemical components of plant cell wall (10 marks)
2. Describe telomeres of a chromosome ( 4mks)
3. Give 3 difference between a eukaryotic and prokaryotic cell ( 3mks)
4. Explain the hydrolytic functions of lysosomes (4 marks)
5. Describe the ultra structure of a mitochondria (3 marks)
6. Describe the fluid moisaic theory of biological membranes ( 4 mks)
7. Give the fuction of membrane proteins ( 5 mks)
8. Briefly discuss biochemistry of ribosome ( 6 mks)
9. Bonus question, currently Kenya is building a wall on its borders in which county is this wall being build ( 1 mks)