

**UNIVERSITY OF KABIANGA**

**UNIVERSITY EXAMINATIONS**

**2014/2015 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCENCE IN BIOCHEMISTRY**

**COURSE CODE: BIO 211**

**COURSE TITLE: GENERAL BIOCHEMISTRY**

**DATE: 3RD DECEMBER, 2014**

**TIME: 2.00 P.M-5.00 P.M**

**INSTRUCTIONS TO CANDIDATES:**

Answer **ALL** questions.

1. Draw the structure of the following moieties:
2. Xylulose. (2 marks)
3. Deodenylate. (2 marks)
4. Arachidic acid. (2 marks)
5. What are multimeric proteins? (2 marks)
6. Name the nod factors and their importance in nodulation. (6 marks)
7. Draw the chemical structures of any two disaccharides. (4 marks)
8. Name the major structural components of the plant cell wall. (4 marks)
9. Describe the sub division of the nervous system. (9 marks)
10. Describe the importance and the deficiency of Molybdenum, Chlorine and Boron. (9 marks)
11. Discuss the synthesis of Red Blood Cells. (10 marks)
12. Describe the light phase photosynthesis. (10 marks)
13. Discuss the nitrogen cycle. (10 marks)