

**UNIVERSITY OF KABIANGA**

**UNIVERSITY EXAMINATIONS**

**2014/2015 ACADEMIC YEAR**

**SUPPLIMENTARY/SPECIAL EXAMINATION**

**SECOND YEAR SECOND SEMESTER EXAMINATION**

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

**COURSE CODE: BIO 212**

**COURSE TITLE: BASIC METABOLISM**

**DATE: 28TH MAY, 2015**

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

**INSTRUCTIONS TO CANDIDATES:**

**Answer ALL Questions.**

1. Describe the citric acid cycle. (12 marks)
2. Discuss glycolysis. (10 marks)
3. Write notes on the phase one of photosynthesis. (10 marks)
4. Describe hexose monophosphate pathway. (8 marks)
5. Draw the structure of nitrogen bases. (10 marks)
6. Describe β- oxidation of fatty acids. (10 marks)
7. Describe oxidative phosphorylation. (10 marks)