

**UNIVERSITY OF KABIANGA**

**UNIVERSITY EXAMINATIONS**

**2014/2015 ACADEMIC YEAR**

**SECOND YEAR SECOND SEMESTER EXAMINATION**

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

**COURSE CODE: BIO 212**

**COURSE TITLE: BASIC METABOLISM**

**DATE: 4TH MAY, 2015**

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

**INSTRUCTIONS TO CANDIDATES:**

**ATTEMPT ALL QUESTIONS (TOTAL 70 MARKS)**

1. Describe the citric acid cycle. (12 marks)
2. Discuss the β- oxidation of palmitic acid. (10 marks)
3. Write notes on the light phase of photosynthesis. (10 marks)
4. Describe how regulation of glycolysis occurs. (8 marks)
5. Discuss the De novo synthesis of purine. (10 marks)
6. Describe the various methods of bacteria fermentations. (10 marks)
7. Describe biosynthesis of Arginine in bacteria. (10 marks)