

**UNIVERSITY OF KABIANGA**

**UNIVERSITY EXAMINATIONS**

**2015/2016 ACADEMIC YEAR**

**FOURTH YEAR SECOND SEMESTER EXAMINATION**

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

**COURSE CODE: BIO 419E**

**COURSE TITLE: FOOD BIOCHEMISTRY**

**DATE: 12TH APRIL, 2016**

**TIME: 9.00 A.M-12.00 NOON**

**INSTRUCTIONS TO CANDIDATES:**

*Answer* ***ALL*** *Questions in* ***section A*** *and any other from* ***section B***.

**SECTION A; (40 MARKS)**

***ANSWER ALL QUESTIONS***

1. Describe any two enzymes used in food industry. (8 marks)
2. Write notes on organic acids in honey. (8 marks)
3. List the categories of food additives. (8 marks)
4. Write notes on flavor formation in tea. (8 marks)
5. Describe the proteins found in wheat. (8 marks)

**SECTION B; (30 MARKS)**

***ANSWER ANY TWO QUESTIONS***

1. Discuss the types of oxidation in oil model systems. (15 marks)
2. Discuss enzymatic browning in food. (15 marks)
3. Describe the Maillard reaction in food and its prevention. (15 marks)