**UNIVERSITY OF KABIANGA**

**UNIVERSITY EXAMINATIONS**

**2017/2018 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN MICROBIOLOGY**

**COURSE CODE: BIO 209**

**COURSE TITLE: MEDICAL PHYSIOLOGY**

**DATE: 29/1/2018**

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

**INSTRUCTIONS TO CANDIDATES:**

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

**SECTION A**

1. Describe the production of red blood cells. (8 marks)

2. Explain systemic circulation. (8 marks)

3. Give the functions of the kidney. (8 marks)

4. Describe how digestion occurs in the small intestines. (8 marks)

5. Describe how the control of respiration occurs. (8 marks)

**SECTION B**

6. Discuss blood clotting mechanism. (15 marks)

7. Describe nerve impulse origin and transmission. (15 marks)

8. Describe the formation and composition of urine. (15 marks)