

**UNIVERSITY OF KABIANGA**

**UNIVERSITY EXAMINATIONS**

**2015/2016 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER EXAMINATION**

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

**COURSE CODE: BIO 413**

**COURSE TITLE: REPRODUCTIVE BIOCHEMISTRY**

**DATE: 3RD DECEMBER, 2015**

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

**INSTRUCTIONS TO CANDIDATES:**

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

Illustrate your answers with suitable diagrams wherever necessary.

**SECTION A; (40 MARKS)**

**Answer ALL questions**

**QUESTION ONE**

1. Define monoecious. (1 mark)
2. Draw the structure of any two male sex hormones. (3 marks)
3. What is the role seminal fluid? (4 marks)

**QUESTION TWO**

Write notes on parthenogenesis. (8 marks)

**QUESTION THREE**

Describe the menstrual cycle. (8 marks)

**QUESTION FOUR**

Describe the events from fertilization to implantation. (8 marks)

**QUESTION FIVE**

Explain how sex differentiation occurs in humans. (8 marks)

**SECTION B; (30 MARKS)**

**Answer any TWO questions. Each carries 15 marks.**

**QUESTION SIX**

Discuss oogenesis. (15 marks)

**QUESTION SEVEN**

Describe forms of birth control methods. (15 marks)

**QUESTION EIGHT**

Discuss the control of male sexual functions by hormones. (15 marks)