

W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2016/2017**

**YEAR III SEMESTER II SPECIAL/SUPPLIMENTARY EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN**

**SZL 2314: BASIC IMMUNOLOGY**

**DATE: SEPTEMBER 2017 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE (30 MARKS)**

1. Describe briefly the biological functions of Igh and Igm antibody classes.[6 marks]
2. Describe innate immunity.[6 marks]
3. Explain the cellular immune responses to Cancer Cells by a host.[6 marks]
4. Describe the factors that render immunogenicity. [6 marks]
5. Distinguish between primary and secondary immune responses.[6 marks]

**QUESTION TWO (20 MARKS)**

Discuss the mechanisms involved in Type I hypersensitivity reactions. [20 marks]

**QUESTION THREE (20 MARKS)**

Describe the various cells of the immune system and their characteristic roles. [20 marks]

**QUESTION FOUR (20 MARKS)**

Discuss the factors involved in the development of autoimmunity. [20 marks]

**QUESTION FIVE (20 MARKS)**

Discuss the role of immunology in modern medicine. [20 marks]