



**ELIZADE UNIVERSITY**

**ILARA-MOKIN**

**FACULTY: Basic and Applied Sciences**  
**DEPARTMENT: Physical and Chemical Sciences**  
**SECOND SEMESTER EXAMINATIONS**  
**2016/2017 ACADEMIC SESSION**

**COURSE CODE: BCH 313**

**COURSE TITLE: IMMUNOLOGY AND IMMUNOCHEMISTRY**

**DURATION: 2 Hrs**

A rectangular box containing a handwritten signature in black ink.

**HOD's SIGNATURE**

**TOTAL MARKS: 60**

**Matriculation Number: \_\_\_\_\_**

**INSTRUCTIONS:**

1. Write your matriculation number in the space provided above and also on the cover page of the exam booklet.
2. This question paper consists of 1 page.
3. Answer all questions in the exam booklet provided.
4. At the end of this examination, place the question paper inside the exam booklet.
5. Attempt any 6 Questions



ELIZADE UNIVERSITY ILARA-MOKIN  
FACULTY OF BASIC AND APPLIED SCIENCES  
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FIRST SEMESTER EXAMINATION: 2016/2017 SESSION

BCH 313- IMMUNOLOGY AND IMMUNOCHEMISTRY

Answer **any 6** questions

Time : 2 hours

1. Explain the forces that govern the antibody-antigen interactions
2. Discuss how the structure of the antibody optimizes its functional properties.
3. What are the general features of antibody-antigen reactions?
4. Highlight, explicitly, on the steps involved in antibody production
5. Describe the types of antigen-antibody interaction.
6. Distinguish between the characteristics of innate and adaptive immunity and explain the process of immune response in adaptive immunity.
7. Explain this terminologies
  - a. allergy
  - b. Monoclonal antibodies
  - c. Cytokines
  - d. Immunodeficiency