



**TECHNICAL UNIVERSITY OF MOMBASA**

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**FACULTY OF APPLIED AND HEALTH SCIENCES**

**DEPARTMENT OF MEDICAL SCIENCES**

**UNIVERSITY EXAMINATION FOR:**

**MSC PUBLIC HEALTH**

**APH 5110: IMMUNITY TO INFECTIONS**

**SPECIAL/ SUPPLIMENTARY EXAMINATIONS**

**SERIES: SEPTEMBER 2018**

**TIME: 2 HOURS**

**DATE:** Pick Date Sep 2018

**Instructions to Candidates**

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

This paper consists of **FIVE** Question(s). Attempt ALL questions.

**Do not write on the question paper.**

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**Question One**

Explain the principal components of innate and adaptive immunity (20 marks)

**Question Two**

Discuss the complement system and its importance in immunology (20 marks)

**Question Three**

- a) Illustrate the antibody molecule (10 marks)
- b) Describe two types of antigens that can interact with T cells (10 marks)

**Question Four**

Discuss immunity to fungal and viral infections (20 marks)

**Question Five**

Using a specific disease example, discuss the use of two ELISA variants in diagnosis (20 marks)