

## DEPARTMENT OF PURE AND APPLIED SCIENCES

DIPLOMA IN INDUSTRIAL MICROBIOLOGY AND BIOTECHNOLOGY (DIMBT 11M)

**ABT 2204: IMMUNOLOGY** 

**SPECIAL/SUPPLEMENTARY: EXAMINATIONS** 

**SERIES:** February 2013

**TIME: 2 HOURS** 

## **INSTRUCTIONS:**

You should have the following for this paper

- Answer booklet

This paper consists of *FIVE* questions.

Answer Question ONE (compulsory) and any other TWO questions

This paper consists of **2 PRINTED** pages

## **Question ONE**

ŕ	Define the following terms:-  (i) Immunology  (ii) Phagocytosis  (iii) Antiegen	(1mark) (1mark) (1mark)
c) d) e) f)		(4marks) (4marks) (4marks) (4marks) (4marks) (4marks) (3marks)
Quest	ion TWO	
	Describe the FOUR types of grafts Explain any FOUR mechanisms of preventing graft rejection.	(8marks) (7marks)
Question THREE		
	Discuss the classes of antigens based on their structural properties.  Differentiate between T-dependent and T-independent antigens	(8marks) (7marks)
Question FOUR		
Descri	be characteristics and function of blood lencocytes	(15marks)
Question FIVE		
	Differentiate between primary and secondary immune responses Describe the functions of antibodies.	(6marks) (8marks)