



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**UNIVERSITY VILLAGE JABI, ABUJA**  
**FACULTY OF SCIENCE**  
**OCTOBER/NOVEMBER 2016 EXAMINATIONS**

**COURSE CODE: BIO406**

**COURSE TITLE: PARASITOLOGY AND IMMUNOLOGY**

**CREDIT UNIT: 2**

**TIME: 2 HOURS**

**INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3) QUESTIONS**

1. (a) What do you understand by the term immunity? Provide an illustration where necessary (3 marks)  
(b) Account for the evidence to show that graft rejection is immunological (12 marks)  
(c) Elaborate on the concept of passive immunity (10 marks)
2. (a) Define the term autograft (3 marks)  
(b) Write **short notes** on the following:
  - i. Artificially acquired active immunity (4 marks)
  - ii. Naturally acquired passive immunity (4 marks)
  - iii. Artificially acquired passive immunity (4 marks)
3. In a tabular form, compare the different types of hypersensitivity (15 marks)
4. (a) What is an infection (3 marks)  
(b) Describe the four types of traditional vaccines. (4x3=12 marks)
5. List and explain **any 3** examples of infection. (15marks =5x3)
6. (a) List the constituents of gamma globulin. (3 marks)  
(b) Account for the variables that will determine the outcome of the inoculation of a host by a pathogen (4 marks)  
(c) Summarize the concept of immune system (8 marks)