



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SEPTEMBER/OCTOBER 2015 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: BIO 318

COURSE TITLE: IMMUNOLOGY AND IMMUNOCHEMISTRY

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE QUESTIONS

1. (a). What are the organs of the immune system and what do they do in the body?
5 marks
(b). Using an annotated diagram, show the components of the immune system in the body.
10 marks
(c). Present the classification of immune response in a scheme (chart) **10 marks**
2. Discuss briefly the following:
(i). Myeloid cells. **5 marks**
(ii). Antigenic Determinants **5 marks**
(iii). Types of adaptive immune response **5 marks**
3. How does adaptive immune response differ from innate immune response in property?
15 marks
4. (a). What is immunopathology? Discuss the immunopathology of a virus infection.
5 marks
(b). How are antibodies classified? **5 marks**
(c). The adaptive immune response involves production of antibodies against a particular pathogen. Discuss **5 marks**
5. Discuss three possible causes of auto immunity. **15 marks**
6. (a). Give four common terms used to classify a tissue graft, according to its origin and possible outcome in the host?
4 marks
(b).
 - i. What is drug sensitivity test? **1 mark**
 - ii. Explain the process of pharmacokinetics by the following: Absorption, distribution, metabolism and excretion. **10 marks**