



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: BIO318
COURSE TITLE: IMMUNOLOGY AND IMMUNOCHEMISTRY

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE QUESTIONS

1. (a). Using an annotated diagram, show the components of the immune system in the body **10 marks**
(b). Briefly explain how antibodies are classified **15 marks**
2. (a). Present the classification of immune response in a scheme (chart) **10 marks**
(b). Briefly discuss Antigenic Determinants **5 marks**
3. (a). Give four common terms used to classify a tissue graft, according to its origin and possible outcome in the host? **4 marks**
(b). Explain the process of pharmacokinetics by the following: Absorption, distribution, metabolism and excretion. **11 marks**
4. How does adaptive immune response differ from innate immune response in property? **15 marks**
5. What are T-Lymphocytes and how are they developed in the thymus? **5 marks**
6. Discuss three possible causes of auto immunity. **15 marks**