



NATIONAL OPEN UNIVERSITY OF NIGERIA

14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS

SCHOOL OF SCIENCE AND TECHNOLOGY

MARCH/APRIL 2015 EXAMINATION

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

1. Discuss briefly the following:

(i). Myeloid cells. **5 marks**

(ii). Antigenic Determinants **5 marks**

(iii). Types of adaptive immune response **5 marks**

1. How does adaptive immune response differ from innate immune response in property? **15 marks**

1. (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**

1. Discuss three possible causes of auto immunity. **15 marks**

1. (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**

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