



NATIONAL OPEN UNIVERSITY OF NIGERIA

National Open University Of Nigeria

Plot 91, Cadastral Zone, NnamdiA zikiwe Expressway, Jabi - Abuja

Faculty of Health Sciences

2021_2 EXAMINATION

Course code: EHS316

Course Title: IMMUNOLOGY AND IMMUNIZATION

Course Units: 2 Credit Units

Time Allowed: 1 ½ Hours

Total Score: 70 Marks

INSTRUCTION: ANSWER ALL QUESTIONS

- 1a. State the major role of cold-chain in Immunology (2marks)
- 1b. Itemize the major techniques involved in the study of immunology. (5marks)
- 1c. Comment briefly on the four (4) immunological reactions which often correlate with clinical manifestation. (8marks)
- 1d. List five (5) immunological techniques involved in the study of Immunology. (10marks)
- 2a. Explain the major role of vaccines to human body (4marks)
- b. List five (5) common vaccine components (5marks)
- c. Outline the common five (5) immunizable diseases (5marks)

d. List the antibodies and antigens compatibility in blood grouping system
(6marks)

3a. Define the term immunology (5marks)

3b. List eight (8) fundamental applications of Immunology (8 marks)

3c. What are the mechanisms involved in hypersensitivity reactions? (2marks)

3d. State five (5) factors that could have severe effects on immunity reactions.
(10marks)