



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Sciences
Department of Pure and Applied Sciences
2021_1 EXAMINATIONS

COURSE CODE: BIO406

COURSE TITLE: PARASITOLOGY AND IMMUNOLOGY

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer question ONE (1) and any other THREE (3) questions

- 1(a) Write fully on
- (i) Naturally acquired passive immunity (5mks)
 - (ii) Artificially acquired passive immunity (5mks)
- (b) With examples, differentiate between the antigen that enter the body from the environment and the ones that are generated within the cell of the body (5mks)
- (c) Discuss in details the Active immunity. (10mks)
- 2(a) Give a brief description of Polymorphonuclear neutrophils (6mks)
- (b) Lyme disease is an example of infection. Discuss (9mks)
- 3(a) Explain what are Dendritic cells. (2mks)
- (b)(i) What do you understand by Specificity? (3mks)
- (ii) List the three major mechanisms of non-specific immunity to infection (3mks)
- (c) Give a detailed description of Exogenous antigens (7mks)
- 4(a) List and explain the different types of hypersensitivity reactions. (6mks)
- (b) Write concisely on Osteomyelitis (9mks)
- 5(a) (i) Outline the variables involved in the outcome of a host becoming inoculated by a pathogens (4mks)
- (ii) Mention the four basic types of Dendritic cells (4mks)
- (b) Aberrant B cell receptor-mediated feedback is one of the mechanisms operative in the Pathogenesis of autoimmunity. Discuss (7mks)