



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Sciences
Department of Pure and Applied Sciences
2021_2 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 short notes on the following;
- (i.) Autograft (5mks)
 - (ii.) Allograft and allotransplantation (5mks)
- (b) (i.) Why is graft rejection immunological? (3mks)
- (ii.) What do you understand by Cross reactivity? (2mks)
- (c) Account for the main causes of Autoimmunity? (10mks)
- 2(a) Give a brief description of Antigenic affinity (3mks)
- (b) Outline the major lymphokines involved in delayed hypersensitivity reaction (4mks)
- (c) Write succinctly on the four types of traditional vaccines or vaccinations (8mks)
- 3(a) List the three types of Endogenous antigens (3mks)
- (b) Describe the following terms:
- (i) Autoantigens (3mks)
 - (ii) Antigen Specificity (3mks)
 - (iii) Nativity (3mks)
- (c) Describe the process of Lymphocyte – mediated Rejection (3 marks)
- 4(a) Write briefly on Passive transfer of cell-mediated immunity (5mks)
- (b) Innate Immunity system is nonspecific and in-born. Discuss (10mks)
- 5(a) Account for Humoral Immunity (6 mks)
- (b) Give a detailed description of cell-mediated immunity (9 mks)