



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**  
**Faculty of Sciences**  
**Department of Pure and Applied Sciences**  
**JANUARY, 2021 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. Write succinctly on the following:

- (i) The first clinical description of immunity (5mks)
- (ii) The induction of active immunity in Europe (8mks)
- (iii) The birth of active immunotherapy (12mks)

2 (a) (i) List any two examples of infections (2mks)

(ii) Give a detailed description of Persistent Infection (7mks)

(b) Write a short note on Antibodies (6mks)

3 (a) What is Split transplants? (2mks)

(b) Succinctly explain the role of sex in the development of autoimmunity (13mks)

4(a) Give a brief description of the following:

(i.) Xenograft and Xenotransplantation (5mks)

(ii.) Natural acquired active immunity (4mks)

(b) Write a short note on Organ transplantation (6mks)

5(a) What is Phagocyte? (2mks)

(b) Write on the following methods in prevention of Graft Rejection;

(i) Tissue Typing (7mks)

(ii) Use of Immunosuppressants (6mks)