



NATIONAL OPEN UNIVERSITY OF NIGERIA

National Open University Of Nigeria

Plot 91, Cadastral Zone, NnamdiAzikiwe Expressway, Jabi - Abuja

Faculty of Science

2021_2 EXAMINATION

COURSE CODE: BIO 415

COURSE TITLE: VIROLOGY AND TISSUE CULTURE

INSTRUCTION: Answer question one and any other three questions

- 1a. Explain how Acquired Immune Deficiency Syndrome (AIDS) can be diagnosed?(5marks)
- 1b. Name and explain the two mode of actions of interferones (IFN)(8marks)
- 1c. Explain what happen during uncoating stage of viral replication(5marks)
- 1d. Write briefly on the use of specimens as one of the diagnosis of viral infection(7marks)
- 2a. State the major points needed in the estimation of viral genome(3marks)
- 2b. Discuss anti-viral drugs and their mode of action(12marks)
3. Discuss the epidemiology of rabies (15marks)
- 4a. Interferons are host-coded proteins that inhibit viral replication. State the uses of interferons in the control of viruses. (5marks)
- 4b. Explain the clinical presentation of Acquired Immunodeficiency Syndrome (AIDS)
- 5a. What do you understand by Kill-Virus Vaccine(5marks)
- 5b. Viruses are classified on the basis of various factors, state the factors used in the classification of viruses into families (10marks)