



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science

Department of Biological Sciences

2022_2 EXAMINATION

Course code: BIO 415

Title: Virology and Tissue culture Units: 2

Time allowed: 2 Hours

INSTRUCTION: Answer question ONE (1) and any other TWO (2) questions

- 1a. Enumerate some of the factors that can be used in the classification of viruses into families (10marks)
- 1b. Vaccines are developed for viral infection, briefly discuss Kill-Virus Vaccine as one of the viral vaccines (5marks)
- 1c. Explain the uses of interferons in the control of viruses (4marks)
- 1d. List the eight genera in the sub-family of Chordopox virinae (8marks)
- 1e. Write briefly on the viral envelope (3marks)

- 2a. Write fully on rabies as a viral disease (15marks)
- 2b. What are viroids? (5marks)

- 3a. Outline the variables considered in Neutralization test(N-test) in the diagnosis of virus infections? (10marks)
- 3b. Viruses have different mechanisms of transmission from host to host, explain the different mechanisms in the transmission of viruses(10marks)

- 4a. Explain the mechanisms and mode of actions of antiviral drugs (15marks)
- 4b. Briefly discuss haemorrhagic fever (5marks)

- 5a. Why is the isolation of viruses required in Virology? (5marks)
- 5b. What are the uses of Interferons (IFN) (5marks)
- 5c. Discuss some of the characteristic features of viruses (10marks)