



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
Department of Biological Sciences
2021_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. Name some antiviral drugs licensed for use in man (7marks)
- 1b. How can Acquire Immune Deficiency Syndrome (AIDS) be diagnosed? (5marks)
- 1c. What do you understand by attenuated virus vaccine? (10marks)
- 1d. Viruses can be transmitted directly to the susceptible hosts. Discuss the mode of transmission to the hosts (8marks)
- 2a. List the seven processes involved in viral replication cycle (7marks)
- 2b. Explain how viruses can be preserved in the laboratory for research purposes, (6marks)
- 2c. Write notes on viral nucleic acid (7marks)
3. Explain in detail what is Neutralization test (Nt-test) (20marks)
- 4a. Rabies is a viral infection, explain the clinical features and the symptoms of the infection (15marks)
- 4b. Name the various symmetries found in the viruses (5marks)
- 5a. Discuss fully the Arboviridae viruses (10marks)
- 5b. Nucleic acid is one of the major components of viruses. Discuss (10marks)