



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, NnamdiAzikiwe Expressway, Jabi – Abuja
Faculty of Science
2020_2 Examination

COURSE CODE: BIO415 2 CREDIT UNITS

COURSE TITLE: VIROLOGY AND TISSUE CULTURE

INSTRUCTION: Answer question one (1) and any other three (3) questions

- 1a. Evaluate the cubic or icosahedral symmetry in Virus (5marks)
- 1b. Corona viruses contain four different types of protein; name the four proteins (4marks)
- 1c. List the 8 special groups of RNA viruses that can make DNA from their RNA genome (8marks)
- 1d. Mention the 8 major means of direct transmission of viruses (8marks)

- 2a. Name the seven antiviral drugs currently licensed for use (7marks)
- 2b. Explain ECLIPSE PERIOD in viral replication? (8marks)

- 3a. Write briefly on the health education messages to the person with HIV (5marks)
- 3b. Explain the recommendations of Public Health authorities to persons infected with HIV (10marks)

4. Discuss fully the family Coronaviridae (15marks)

5. Explain in detail, Neutralization test (Nt-test) in the diagnosis of viral infection (15marks)