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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)