



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF MICROBIOLOGY
SECOND SEMESTER EXAMINATION, 2019/2020 SESSION
MCB 521 (INTRODUCTION TO VIROLOGY) (3 CREDIT UNITS)

INSTRUCTION: Answer question 1 and any other four TIME: 2hours 30 min.

- 1(a). Define how viruses are different from other biological organisms.
- 1(b). Why do viruses bother to form a particle to contain their genome?
- 1(c). Name any 5 infectious viruses and diseases associated with each.

- 2(a). Discuss classification of viruses on the basis of their mode of transmission
- 2(b). Describe the approach you would employ for the isolation and enumeration of Lambda phage virus from stool sample

3. Write a concise essay on the T-cells mediated immune response to viral infection

4. Discuss the replication of Human Immunodeficiency virus.

5. Discuss the significance of viruses

6. Discuss the shapes of virus and its significance in the field of Virology

- 7(a). Highlight the strategies adopted in the laboratory for the diagnosis of viral infections.
- 7(b). Distinguish between viroids, virusoids, and prions.