



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**DEPARTMENT OF MICROBIOLOGY**  
**SECOND SEMESTER EXAMINATION 2018/2019 SESSION**  
**MCB 521 VIROLOGY (3 CREDIT UNITS)**

**INSTRUCTION: ANSWER ANY FIVE QUESTIONS      TIME: 2HOURS**

- 1      Molecular Biologists are with the view that lysogenic phase of viral replication should be considered as an alternative to cloning, what is your opinion?
- 2      Explain two (2) techniques used for viral cultivation in the laboratory
- 3      Write short notes on measles under the following headings:
  - i.      Epidemiology
  - ii.     Pathogenesis
  - iii.    Diagnosis
- 4      Enumerate and explain the steps involved in viral replication
- 5      Discuss the properties of a viral particle
- 6      Explain in details the pathological effects and possible control measures of Ebola virus disease.
- 7      Write briefly on tumor immunology