



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF LIFE SCIENCES
DEPARTMENT OF MICROBIOLOGY**

SECOND SEMESTER EXAMINATION 2015/2016 SESSION

COURSE CODE: MCB 521

COURSE TITLE: VIROLOGY (3 UNITS)

CLASS: 500 LEVEL

TIME: 2 HOURS

Instruction: Answer any FOUR questions

1. Explain the physical and biological methods of viral quantification
2. Explain in details three (3) approaches for viral cultivation
3. 'Virologists have proposed that lysogenic phase of viral replication should be considered as an alternative to cloning procedures' what is your opinion?
4. Describe the criteria to be used for identifying viral particles in a given sample
5. Discuss how virus infected cells can be differentiated from non-virus infected cells
6. Write short notes on the following:
 - (a) Primary culture
 - (b) Diploid cell lines
 - (c) Continuous cell lines