



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

**SECOND SEMESTER EXAMINATION 2014/2015 SESSION**

**COURSE CODE: MCB 521**

**COURSE TITLE: INTRODUCTORY VIROLOGY (3 UNITS)**

**CLASS: 500 LEVEL**

**TIME: 2 HOURS**

**Instruction: Answer any 4 (four) questions**

1. Explain the steps involved in the isolation and purification of viruses
2. Discuss the principles of viral diseases
3. Enumerate the advantages and disadvantages of the use of lysogenic phase of viral replication as a substitute to the conventional cloning technique
4. Discuss the general characteristics of the following groups of viruses:
  - a. Reoviruses
  - b. Adenoviruses
  - c. Filiviruses
5. Explain the following:
  - a. Primary cultures
  - b. Secondary cultures
  - c. Continuous cultures
6. Write briefly on viral spread and cell tropism.