



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF MICROBIOLOGY**

FIRST SEMESTER EXAMINATION 2013/2014 SESSION

COURSE CODE: MCB415 (3 UNITS)

COURSE TITLE: MICROBIAL GENETICS AND MOLECULAR BIOLOGY

CLASS: 400 LEVELS

TIME ALLOWED: 1hr. 30Mins

INSTRUCTION: Answer any four questions

1. Deoxyribonucleic acids are highly polar compounds. Discuss?
2. Write short notes on
 - i. Histones in Eucaryotes
 - ii. Ribonucleic acids
 - iii. The significance of ribosomes in microorganisms.
3. By means of schematic diagram, discuss the DNA replication.
4. Explain the procedures involved in cloning
5. Write short notes on the following:
 - i. Transduction
 - ii. Conjugation
6. Explain the concept of Recombination in Genetic Engineering