



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

FIRST SEMESTER EXAMINATION 2013/2014 SESSION

**COURSE CODE: MCB515 (2 UNITS)
COURSE TITLE: ANALYTICAL MICROBIOLOGY
CLASS: 500 LEVEL
TIME ALLOWED: 2 hrs**

INSTRUCTION: Attempt 4 questions in all; 2 questions in SECTION A and 2 questions in SECTION B.

SECTION A: Answer two questions from this section

1. (a) Define the following terms and give appropriate examples:
 - (i) Good laboratory practice
 - (ii) Good manufacturing practice(b) Outline the purpose of general laboratory safety practices
2. (a) List personal safety precautions you must adhere to in the laboratory
(b) Outline first aid and emergency procedures in terms of wounds and burns
3. Write short notes on any of the following :
 - a. Immunoelectrophoresis
 - b. Immunoprecipitation
 - b. Immunostaining
 - c. Enzyme assay

SECTION B: Answer two questions from this section

4. The reliability of test results is dependent on the competency of staff. Discuss?
- 5a. Define Standard Operating Procedure
- 5b. Enumerate the importance of SOP for malarial test.
6. Briefly explain the error of inaccuracy in the laboratory. How would you correct such error?