



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

**FIRST SEMESTER EXAMINATION 2015/2016 SESSION**

**COURSE CODE: MCB 515**

**COURSE TITLE: ANALYTICAL MICROBIOLOGY AND QUALITY CONTROL (2 UNITS)**

**CLASS: 500 LEVEL**

**TIME: 1hr 30 min**

**Instruction: Answer any 3 questions**

1. Explain the role the following play in the delivery of reliable test results in diagnostic laboratory:
  - (a) Reagents and stains
  - (b) Personal performance
  - (c) Specimen quality
  
2. (i) How do poor working environment and patient misidentification reduce the efficiency of microbiological laboratory?
  - (i) How can errors from these sources be controlled?
  
3. (i) State five advantages of local laboratory bench manual  
(ii) State three features of a Standard Operating Procedure (SOP).  
(iii) Write short notes on reporting and interpretation of test results.
  
4. Explain ten safety rules and regulations in the laboratory
  
5. (i) Label the diagram below  
(ii) What does the set up represent?  
(iii) State the limitation of this experiment  
(iv) State four examples of supporting media you know