

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF PHYSICAL SCIENCE
DEPARTMENT OF SCIENCE LABORATORY TECHNOLOGY
STM 304: MEDICAL MICROBIOLOGY
2014/2015 RAIN SEMESTER EXAMINATION 24/08/2015
TIME: 2hours
ANSWER FOUR QUESTIONS ONLY.

- 1a. Define the term 'pathogenicity.'
- b. List 10 micro-organisms of medical importance.
- c. Describe the process involved in infectious disease.

- 2a. List Koch's postulates.
- b. Explain the circumstances under which Koch's postulates may not be easily applied.

3. Write short notes on the following:
 - a. Virulence.
 - b. Microflora of humans.
 - c. Opportunist.

4. Write short notes on the special techniques in the collection and processing of the following specimen:
 - a. Urine.
 - b. Blood.
 - c. Sputum.
 - d. C.S.F.

5. Discuss the ability of pathogens to survive and also cause disease.

6. Enumerate molecular guidelines for establishing microbial disease causation.