



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF MICROBIOLOGY
FIRST SEMESTER EXAMINATIONS, 2017/2018 SESSION
COURSE TITLE: PATHOGENIC BACTERIOLOGY
COURSE CODE: MCB 511 (3 UNITS)

Instruction: Answer any five (5) questions

Time: 2½ Hours

- 1a. What are bacterial toxins?
- 1b. In a tabular form, compare and contrast the major classes of bacterial toxins.
2. Give a detailed explanation of the procedures for differentiating between members of the genera *Staphylococcus* and *Streptococcus*.
- 3a. Write a short note on the laboratory diagnosis of bacterial diseases.
- 3b. List the various methods employed in the diagnosis of bacterial diseases.
- 4a. Write a short note on bacterial structure.
- 4b. Mention at least five structures in a bacterial cell and the importance of each structure to the cell.
5. Discuss extensively the Gram's staining technique and state its significance in the clinical laboratory
- 6a. Discuss Normal Flora.
- 6b. Mention at least three importance and five examples of normal flora.
7. Write a very brief note on a named bacterial pathogen using the following heading:
 - (a) Name of bacterium
 - (b) Disease(s) Caused
 - (c) Means of transmission
 - (d) Mechanism of pathogenesis
 - (e) Prevention and control.