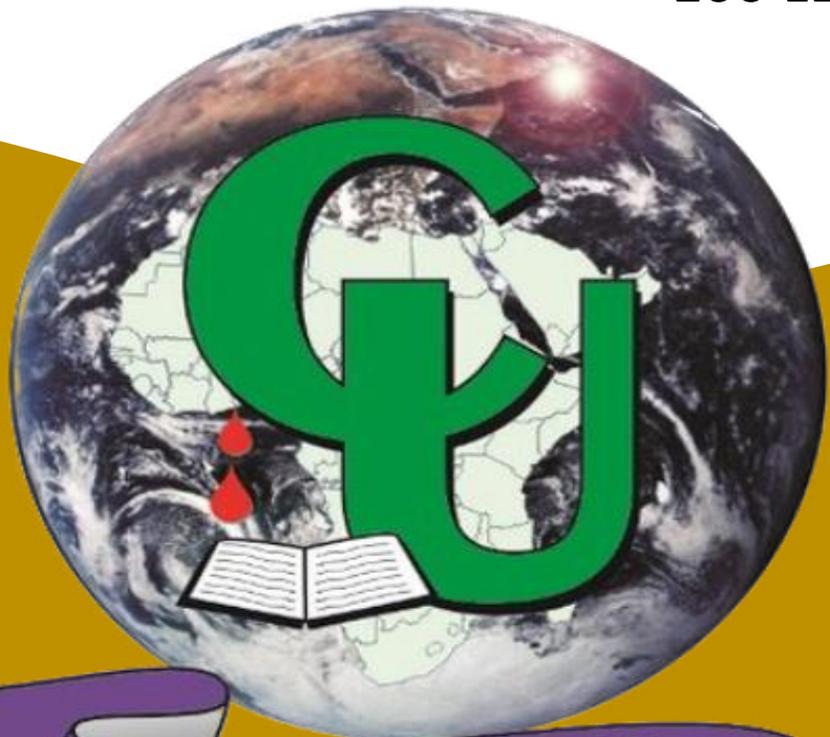


COVENANT UNIVERSITY

ALPHA SEMESTER TUTORIAL KIT
(VOL. 2)

PROGRAMME: MICROBIOLOGY
100 LEVEL



Raising A New Generation Of Leaders

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LIST OF COURSES

MCB111: General Microbiology



COVENANT UNIVERSITY
CANAANLAND, KM 10 IDIROKO ROAD
P.M.B 1023 OTA, OGUN STATE, NIGERIA

TITLE OF EXAMINATION: B.Sc. DEGREE EXAMINATIONS

COLLEGE: SCIENCE & TECHNOLOGY

SCHOOL: NATURAL AND APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

SESSION: 2014/2015

SEMESTER: ALPHA

PROGRAMME: MICROBIOLOGY

COURSE CODE: MCB 111

COURSE TITLE: GENERAL MICROBIOLOGY

CREDIT UNIT: 3

TIME: 3 HOURS

INSTRUCTION: Answer any Four Questions

-
1.
 - a. is the major tool used for microbiological research (2 Marks)
 - b. Tyndallization is..... (2 Marks)
 - c. Fermentation is (2 Marks)
 - d. Roundish forms of bacteria are known as..... (2 Marks)
 - e. Microorganisms occur everywhere and they are said to be (2 Marks)
 - f. The scientific name of an organism commonly found occurring in the intestinal tract of man and other animals is (2 Marks)
 - g. Abiogenesis is..... (2 Marks)
 - h. Pasteurization is (2 Marks)
 - i. Give one example each of beneficial and harmful aspects of microorganisms (4 Marks)

 2. Write short notes on the following scientists and their contributions to the development of Microbiology:
 - a. Joseph Lister (4 Marks)
 - b. Louis Pasteur (4 Marks)

- c. Francesco Redi (4 Marks)
- d. Ignaz Semmelweis (4 Marks)
- e. Antony Van Leeuwenhoek (4 Marks)
3. a) Why is the Cell envelope in a bacterial cell important? (6 Marks)
- b) Classify bacteria based on the chemistry of their cell wall (8 Marks)
- c) Briefly describe the various forms of flagellation in a bacterial cell. (6 Marks)
4. a).What are the two (2) major groups of microorganisms commonly referred to as protista? (10 Marks)
- b). State the mechanism by which molds and yeast reproduce. (5 Marks)
- c). What is the function of a cell wall? (5 Marks)
- 5 a). Give five (5) characteristics of fungi (5 Marks)
- b).Write short notes on the different classes of fungi. (10 Marks)
- c). Differentiate between septate and aseptate hyphae (3 Marks)
- d).What are dimorphic fungi? (2 Marks)
6. a). Give six (6) economic importances of fungi (3 advantages and 3 disadvantages). (6 Marks)
- b). Write short notes on the morphological forms of fungi. (4 Marks)
- c). State three (3) ways by which fungi carry out asexual reproduction. (6 Marks)
- d). Define the following terms i. Mycoses ii. Mycotoxins iii. Mycotoxicology (4 Marks)
- iv. Mycology

