



**CRAWFORD UNIVERSITY**

**FAITH CITY, IGBESA, OGUN STATE**

**2022/2023 SECOND SEMESTER EXAMINATIONS**

**COLLEGE: NATURAL AND APPLIED SCIENCES**

**DEPARTMENT: BIOLOGICAL SCIENCES**

**PROGRAMME: MICROBIOLOGY**

**COURSE CODE: MCB 406**

**COURSE TITLE: EPIDEMIOLOGY AND PUBLIC HEALTH**

**COURSE UNIT: 3**

**TIME ALLOWED: 2 HRS 30MINS**

**INSTRUCTION: ANSWER QUESTIONS ONE (1) AND TWO (2) WITH ANY OTHER THREE (3). ALL QUESTIONS CARRY EQUAL MARKS.**

- 1a. Distinguish between endemic disease, an epidemic and a pandemic disease.
- b. Is it possible for an epidemic disease to become an endemic disease? Explain.
- c. What is the importance of a disease carrier in these outbreaks?
  
- 2a. It has been established that protection to particular infectious diseases can be conferred on a populace provided a significant percentage is immunized. Explain in details and mention how this can be effected against three named diseases.
  
3. Briefly discuss how infectious diseases are transmitted and controlled.
  
4. Write concisely on the coevolution of the pathogen and the host population.
  
- 5a. Explain Disease Progression.
- b. Highlight in brief the factors affecting the second stage.
  
- 6a. What is Nosocomial Infection?
- b. Discuss in details factors that aid this infection in the hospital environment.
  
7. Discuss the types of epidemics with specific examples and state their differences.