



CRAWFORD UNIVERSITY

Faith City, Igbesa, Ogun State.
2012/2013 RAIN SEMESTER EXAMINATIONS

COLLEGE: NATURAL AND APPLIED SCIENCES
PROGRAMME: MICROBIOLOGY
COURSE CODE: MCB 406
COURSE TITLE: EPIDEMIOLOGY AND PUBLIC HEALTH
UNIT: 3
TIME: 3 HOURS

INSTRUCTION: ANSWER QUESTION ONE (1) AND TWO (2) WITH ANY OTHER THREE (3)

1. (a) What is Epidemiology and why is it important in public Health?
(b) Explain the following terms:
 - i. Epidemic
 - ii. Pandemic
 - iii. Incidence
 - iv. Prevalence
 - v. Morbidity(c) Differentiate between morbidity and mortality
2. (a) What do you understand by Disease Progression?
(b) What is the importance of disease reservoir in a population?
(c) Carriers are important for the occurrence and maintenance of a disease within a population. Explain with a classic example.
3. (a) Distinguish between a common source and a host to host epidemic.
(b) Fully discuss Zoonosis with a detailed example.
4. (a) Discuss in details what you understand by Herd Immunity noting how it relates to different pathogens.
(b) What is a Health associated disease and why is it important?
5. Give detailed description of the disease control measures that you know.
6. With detailed examples, discuss the airborne transmission and direct contact transmission of disease.
7. Write concisely on the factors responsible for the emergence of new pathogens