



**CRAWFORD UNIVERSITY**  
**FAITH CITY, IGBESA, OGUN STATE.**

**2020/2021 RAIN SEMESTER EXAMINATIONS**  
**COLLEGE: NATURAL AND APPLIED SCIENCES**  
**PROGRAMME: MICROBIOLOGY**  
**COURSE CODE: MCB 406**

**COURSE TITLE: EPIDEMIOLOGY AND PUBLIC HEALTH**

**COURSE UNIT: 3**

**TIME: 2 HRS 30 MINS**

**INSTRUCTION: ANSWER FIVE QUESTIONS IN ALL, QUESTIONS ONE (1) AND TWO (2) ARE COMPULSORY.**

1a. Can a pandemic/epidemic disease become endemic? Why?

b. Travel to developing countries involves some exposure to infectious diseases. What general precautions must you take before, during and after visits to endemic areas of infections?

c. Are you likely to be a disease risk to your family and associates or not? Explain.

15 marks

2a. Discuss in details the coevolution of a pathogen and the host population

b. What is the importance of herd immunity and how can this be obtained against two named pathogens?

15 marks

3a. Discuss the importance of disease reservoir in the spread of infectious disease.

b. Differentiate between disease reservoirs and carriers.

10 marks

4. Fully discuss the measures by which infectious diseases can be curtailed?

10 marks

5a. Why is healthcare associated infection of great importance in public health?

b. Discuss five factors that predispose hospital patients more to infection than healthy individuals.

10 marks

6. Fully describe the different phases of disease progression.

10 marks

7. Discuss zoonosis and its importance.

10 marks