



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF MICROBIOLOGY
FIRST SEMESTER EXAMINATION,
2022/2023 ACADEMIC SESSION

COURSE TITLE: PRINCIPLES OF EPIDEMIOLOGY AND PUBLIC HEALTH

COURSE CODE: MCB414

UNIT: 3 UNITS

INSTRUCTIONS: Answer question 1 and any other four (4) questions

Time Allowed: 2hrs 30mins

1. Define epidemiology and explain briefly the keywords in last's definition of epidemiology.
- 2a. Explain the two types of epidemics
- 2b. Outline six (6) importance of epidemiology to public health.
3. Discuss the steps involved in the investigation of an epidemic.
4. List five (5) zoonotic diseases, stating their etiological agents, host animal and major symptoms in humans.
5. Write short notes on the following:
 - i. Epidemic
 - ii. Endemic
 - iii. Prevalence
 - iv. Surveillance
 - v. Risk factor
 - vi. Morbidity
 - vii. Zoonoses
- 6a. Describe the chain of infection for cholera.
- 6b. Differentiate between Cohort and Case-Control Studies.
- 7a. The total population of women in Gidan Kwano community is 1600, 450 of this population were already infected with vulvovaginal candidiasis and 120 women were recently diagnosed of the same infection. Calculate the incidence rate per 100 population.
- 7b. Discuss the six intertwined factors involved in the causation of infectious disease.