



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PUBLIC HEALTH SCIENCE
2020_1 EXAMINATION

COURSE TITLE: Principles of Epidemiology (PHS318)

UNITS: 3 Units

TIME ALLOWED: 2 Hours

Total Score: 70 %

INSTRUCTION: Answer all Questions

QUESTION 1 18 marks

- 1a). John Snow is referred to as the father of epidemiology; briefly describe his contribution to curbing of disease in human population. **(10 marks)**
- 1b). Give a detailed definition of epidemiology according to J. M. Last. **(2 marks)**
- 1c). What are the 3 major components common to the definition of epidemiology and the 3 major questions asked in Epidemiology? **(6marks)**

QUESTION 2 22 marks

- 2a). Describe quantitatively the meaning of person, place and time in the context of descriptive epidemiology. **(12 marks)**
- 2b). Concisely write on the types of epidemiological study designs. **(10 marks)**

QUESTION 3 15 marks

- 3a). Write short note on analytical epidemiology. **(10marks)**
- 3b). How does analytical epidemiology differ from experimental studies? **(5marks)**

QUESTION 4 15 marks

With the aid of a mathematical formula express the definition of the following:

- 4a) Incidence rate **(7 marks)**
- 4b) Prevalence rate **(8 marks)**