



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
EXAMINATION QUESTIONS 2021_1

COURSE TITLE: Principles of Epidemiology I (PHS803)

COURSE UNITS: 2 Units

TIME ALLOWED: 1½ hours.

TOTAL MARKS: 70%

INSTRUCTION: Answer all the Questions

QUESTION 1 25 marks

- 1a. Using examples, what is the difference between Cohort and Case-Control Studies (5 marks)
- b. Discuss the five procedural steps generally used in conducting cohort study (10 marks)
- c. List 5 advantages and 5 disadvantages of the cohort design (10marks)

QUESTION 2 25 marks

- 2a. Using examples, explain the following terms:
- i. Prospective cohort study **5marks**
- ii. Retrospective cohort study **5marks**
- iii. Ambidirectional cohort study **5marks**
- b. List 5 strengths of retrospective study and 5 weaknesses of prospective cohort studies (10 marks)

QUESTION 3 20 marks

- 3a. What is the relationship between demography and population? **3marks**
- ii. Mention two major types of experimental study designs (2 marks)
- b. Explain the following terms using examples .
- (i) Crude Birth Rate (CBR) **5marks**
- (ii) Gross Reproductive Rate (GRR) **5marks**
- (iii) Total Fertility Rate (TFR) **5mar**