



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF HEALTH SCIENCES
2024_2 EXAMINATION**

COURSE CODE: PHS803

**COURSE TITLE: FUNDAMENTAL PRINCIPLES OF EPIDEMIOLOGY AND
DISEASE CONTROL**

COURSE UNITS: 2 CREDIT UNITS

DEPARTMENT: PUBLIC HEALTH

TIME ALLOWED: 2 HOURS

TOTAL MARKS: 70

INSTRUCTIONS: ANSWER ALL QUESTIONS

1. Write short notes on the following:
 - a. What is standardization in epidemiological research ? **5 Marks**
 - b. Give detailed account of direct method of standardisation **5 Marks**
 - c. Describe in detail how you will apply an indirect method of Standardization **5 Marks**

2.
 - a. What are the specific tasks for descriptive epidemiology method? **5 Marks**
 - b. What are the different epidemiology study designs? **5 Marks**
 - c. What is Hypothesis formulation in descriptive epidemiology? **5 Marks**
 - d. What is function in epidemiology study design? **2.5 Marks**
 - e. Clinical significance epidemiology study design **2.5 Marks**
 - f. What are the issues of concern in epidemiology study design? **5 Marks**

3. Write short notes on the following epidemiology study design
 - a. Cross sectional studies **7.5 Marks**
 - b. Ecological Studies **7.5 Marks**

4.
 - a. Describe in detail case- control studies **7.5 Marks**
 - b. Explain your understanding of cross over studies **7.5 Marks**