



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**University Village, Nnamdi Azikiwe Express Way, Jabi, Abuja**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF PUBLIC HEALTH SCIENCE**  
**2023\_2 EXAMINATIONS...**

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**COURSE TITLE: APPLIED EPIDEMIOLOGY**  
**COURSE CODE: PHS511**  
**CREDIT UNIT: 3 Units**  
**TOTAL SCORE: 70 Marks**  
**TIME ALLOWED: 2 Hours**  
**INSTRUCTION: Answer All Questions**

**QUESTION 1** **20 marks**

(1a) Describe the level of awareness of people in the context of non-communicable diseases **10 marks**

(1b) Non communicable diseases are not transmissible from one person to another. Based on this known fact, discuss the epidemiology of non-communicable diseases **10 marks**

**QUESTION 2** **20 marks**

(2a) With specific examples, describe Coronary heart disease **10 marks**

(2b) Describe Diabetes Mellitus as a non-communicable disease **10 marks**

**QUESTION 3** **15 marks**

Describe concepts in communicable diseases under:

(3i) Aetiological agent

(3ii) Infections

(3iii) Carrier

**QUESTION 4** **15 marks**

(4a) Explain "Vehicle with expired engine life" as a source of non-communicable disease. **5 marks**

(4b) Write short notes on:

(i) Incidence rate **5 marks**

(ii) Host **5 marks**