



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**UNIVERSITY VILLAGE, PLOT91, CADASTRAL ZONE**  
**NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF PUBLIC HEALTH SCIENCE**  
**EXAMINATION QUESTIONS 2020\_2**

**COURSE TITLE: INTRODUCTION TO CLINICAL LABORATORY TECHNIQUES**

**COURSE CODE: PHS 303**

**COURSE UNITS: 2 Units**

**TIME ALLOWED: 1<sup>1</sup>/<sub>2</sub> Hours**

**TOTAL MARKS: 70%**

**INSTRUCTION: Answer all the Questions**

**QUESTION 1 25marks**

- (1a) (i) Define Medical test **1mark**  
(ii) State four vital signs which are measures of various physiological statistics that assess the most basic functions of the body **4marks**
- (1b) With specific examples, write short notes on:  
(i) Diagnostic test **5marks**  
(ii) Screening test **5marks**
- (1c) (i) Concisely explain monitoring test, highlighting three examples of medical test **4marks**  
(ii) Over-reliance on physical examination alone can lead to missed diagnosis and poor Disease outcome. Outline three reasons for this assertion **3marks**  
(iii) Mention three steps involved in diagnostic reasoning **3marks**

**QUESTION 2 25marks**

- 2a) With a specific example, describe the “ Epidemic Theory and Mathematical Models of Infectious diseases **20marks**
- (2b) The diseases of affluence are non-infectious diseases with environmental causes. Based on this statement of fact, outline five examples of these diseases **5marks**

**QUESTION 3 20marks**

- (3a) Write short notes on:  
(i) Determination of proper chemical hygiene plan for clinical laboratory **5marks**  
(ii) Standards for personnel safety in clinical laboratory **5marks**  
(iii) The routes of entry of Toxic materials to the body **5marks**
- (3b) Outline five sources of hazards and accidents in the laboratory **5marks**