



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
UNIVERSITY VILLAGE, PLOT 91, CADASTRAL ZONE  
NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA  
FACULTY OF HEALTH SCIENCES  
2024 1 EXAMINATION**

**COURSE TITLE: CLINICAL LABORATORY**

**COURSE CODE: PHS303**

**COURSE UNITS: 2 Units**

**TIME ALLOWED: 1 1/2 Hours**

**TOTAL MARKS: 70 %**

**INSTRUCTION: Answer ALL Questions**

Q1a. List out and explain specimens containers for bacteriological, parasitological and histopathological test in the laboratory (10 marks).

Q1b. Describe various instructions and guidance given to patients prior to specimen collection (10 marks).

Q1c. Discuss triple packaging system and state the reasons why it must be adopted (10 marks).

Q2a. Explain the concept of fasting blood glucose (8 marks).

Q2b. Write down the detail procedure for determining fasting blood glucose using glucose oxidase (6 marks).

Q2c. Outline the procedure for faeces microscopic examination (6 marks)

Q3. Planning is the root cause for accomplishing a desired goal. Broadly discuss this statement in relation to clinical laboratory (20 marks).