



**NATIONAL OPEN UNIVERSITY OF NIGERIA
JABI, ABUJA
FACULTY OF HEALTH SCIENCES
APRIL 2019 EXAMINATION**

Programme: B.Sc. Public Health

Course Code: PHS303

Course Title: Introduction to Clinical Laboratory Techniques

Course Credit Units: 2 Units

Time Allowed: 2 Hours

Total Marks: 70 Marks

Instruction: Answer All the Questions

Q1.(a) Justify the use of Laboratory Informatics in clinical laboratory services. **(5 marks)**

(b) Enumerate **three examples of Medical Test (3 marks)** and (c) **five clinical specimens (5 marks)**

(d) Write short notes on:

(i) Standards for personnel safety in the laboratory **(4 marks)**

(ii) Cuts and Pricks **(4 marks)**

(iii) Health hazards. **(4 marks)**

Q2.(a) Mention three (3) accidents that are common, even in the smallest clinical laboratory **(3 marks)**

(b) List **four (4) fire emergency** measures **(4 marks)** and **one (1) fire extinguisher (1 mark)** that are operational in the clinical laboratory .

(c) Write short notes on:

(i) Corrosive substances **(4 marks)**

(ii) Toxic and Irritating chemicals **(4 marks)**

(iii) Carcinogenic chemicals **(4 marks)**

Q3(a) State five (5) requirements that must be fulfilled in the receipt of specimens from the wards.

(5 marks)

(b) Describe management functions as applied in the clinical laboratory practice.

(15 marks)

(c) Mention five (5) areas of financial management that must be considered in the financial management of the clinical laboratory

(5 marks).