

COURSE TITLE: INTRODUCTION TO CLINICAL LABORATORY TECHNIQUES
COURSE CODE: PHS303
COURSE UNITS: 2 Units
TIME ALLOWED: 1½ Hours
TOTAL MARKS: 70%
INSTRUCTION: Answer all the Questions

QUESTION 1 25marks

(1a) Using suitable examples explain the following:

- (i) Explosive chemicals *5marks*
- (ii) Radioactive chemicals *5marks*
- (iii) Fire Blankets *5marks*

(b) Describe the 3Rs of reporting result in Clinical Laboratory *10marks*

QUESTION 2 20marks

(2a) Microscopic examination of urine is performed on urine Sediment. With reference to this statement of truth, explain wet preparation of urine *5marks*

(b) Write short notes on:

- (i) Gram positive Bacteria *5marks*
- (ii) Gram negative Bacteria *5marks*

(c) Briefly describe faeces as a specimen in Clinical Laboratory *5marks*

QUESTION 3 25marks

(3a) Write short notes on:

- (i) 10% formal saline *5marks*
- (ii) Sodium acetate *5marks*
- (iii) Polyvinyl alcohol fixative *5marks*
- (iv) Merthiolate-Iodine Formalin *5marks*

(b) Explain the word "Consistency" in the examination of stool sample in Clinical lab. *5marks*