

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS**

**SCHOOL OF SCIENCE AND TECHNOLOGY**

**JUNE/JULY EXAMINATION**

**COURSE CODE: CHS303**

**COURSE TITLE: Introduction to Clinical Laboratory Techniques (2 units)**

**TIME ALLOWED:2Hours**

**INSTRUCTION: Read the questions carefully. There are six questions to answer four. All questions carry equal marks (17 ½ %) each**

**QUESTION 1**

1. Discuss clinical examination.(10marks)
2. What is Medical Tests?(**7 ½** marks)

**QUESTION 2**

1. How many groups of diseases do we have?(4 ½ marks)
2. Explain them. (10 marks)
3. List the tests that require overnight test. (3 marks)

**QUESTION 3**

1. From which part of the body do you collect blood for laboratory test? (6 marks)
2. What is the step involved in obtaining an appropriate, identified blood specimen for laboratory test called? Explain further.(6 marks)
3. How many types of urine specimens do we have? List them. (5 ½ marks)

**QUESTION 4**

1. With the use of a table, describe the internationally accepted colour codes for blood specimen containers for laboratory tests. (17**½** marks)

**QUESTION 5**

1. List some important techniques employed in the clinical laboratory analysis

(4 marks)

1. Discuss the four major divisions of clinical laboratory. (13 ½ marks)

**QUESTION 6**

1. Define the following: Electrophoresis, Optical Techniques, Chromatography, A microscope and Centrifugation(7 **½** marks)
2. How do you carry out urine pregnancy test using pregnancy test strips? (10 marks)