MATRIC NO: 17/MHS06/006

COURSE TITLE: LABORATORY INSTRUMENT AND TECHNIQUES

COURSE CODE: MLS 304

An automated analyser is a medical laboratory instrument designed to measure different chemicals and other characteristics in a number of biological samples quickly, with minimal human assistance. These measured properties of blood and other fluids may be useful in the diagnosis of disease.

Wait about 10 minutes after switching on analyzer before using it.

A. CLEANING

1. It is advisable to carry out the regular deep cleaning of the automated analyzer using a mixture of ether and alcohol in the ratio 20:30.

2. Clean the device before and after analysis

3. Daily routine or weekly routine of wiping down of automated analyzer.

B.CALIBRATION

1. Daily calibration is required

2. Regularly calibrate the automatic analyzer

C. REPAIRS

1. Regular servicing of the automatic analyzer and repair is needed. This must be carried out by an authorised services.

D. REFURBISHMENT

In cases whereby automatic analyzer still works but not as smoky as before, refurbishing can play an important role.

1. Remove the entire piece of equipment.

2. Fully clean each and every component of the automatic analyzer

3. Relubricate any moving parts.

4. If any parts are showing any signs of wear and tear consider replacing the part.

5. And then put the equipment back together.