

Institute of Eminence Healthcare

840, Chirag Delhi, New Delhi-17

DMLT (Diploma in Medical Lab Technology)

Syllabus – 1st Year(Practicals)

Biochemistry (1st Year):

1. Instruments Handling , Maintainance and cleaning in Biochemistry.
 - Pipetting Techniques
 - Handling Of instruments like Colorimeter , Automatic pipette , Ph Meter.
 - Understanding Beer's & Lambert's Law.
2. Routine Analysis of Urine.
 - Physical
 - Chemical(Ph , Reducing Sugars , Bile Salts , Creatinine , Bilirubin, Ketone Bodies)
3. Blood Glucose Estimation (GOD-POD method)
4. Estimation of Sugar , Protein & Chloride in CSF.
5. Estimation of Serum Electrolytes (Sodium , Potassium , Calcium , Inorganic Phosphates)
6. Estimation of Plasma Proteins.
 - T. Protein (Biuret Method)
 - Albumin (BCG Method)
7. Estimation of Uric acid.

Microbiology & Parasitology(1st Year):-

1. Demonstration of safety rules in microbiology Lab.
2. Instruments Handling and maintenance of Autoclave , Hot air oven & Incubator.
3. Perform Gram staining to classify Gram negative & Gram positive microorganisms.
4. Performing widal test by Slide & Agglutination Method .
5. Performing Albert Staining for Corynebacterium diptheriae.
6. Routine Examination of Stool and identification of Parasites .
 - Physical
 - Chemical
 - Microscopical
7. To Perform Biochemical tests for identification of bacteria.
8. Microscopical Examination of Urine.

Haematology , Blood Banking & Histopathology (1st year):-

1. Care & Maintenance of Microscopes and its lenses.
2. Determination of Clotting time and Bleeding time.
3. Performing Blood Collection .
4. RBCs , WBCs , Platelets counting by Neubauer's Chamber.
5. To Perform ESR & PCV.
6. To Estimate Hemoglobin.
7. To perform Differential Leucocyte Count
8. To Perform Routine Histopathological Staining.
9. To Perform reticulocyte Counting.