Medical Diagnostics (15 days)

Module Content
Overview of the healthcare and hospital system and Laboratory Organization
Complete Blood count, PBF, ESR, BT and CT, Blood Grouping
Blood Glucose estimation, RFT, LFT
Cardiac Function Test, Pancreatic Function Test
Automation and recent advances
Machines and their working principles, Urine Analysis
Role and Responsibilities of Phlebotomist Ethics and professional behaviour
Techniques of blood collection Blood collection in special cases and sites
Central Lab (Biochemistry and Hematology Lab)
Collection centre
Vitamins and their deficiency
BMW, Interpretation, Lab reporting, Quality Assurance
Revision, conclusion and report
Meeting with Dietician, Placement cell

Medical Diagnostics (30 days)

Module Content
Overview of the healthcare and hospital system

Laboratory Organization
Machines and their working principles
Role and Responsibilities of Phlebotomist
Ethics and professional behaviour
Requisites for sample collection
Equipment used for collection
Technique of blood collection
Blood collection in special cases and sites
Complete Blood count, PBF
ESR, BT and CT, Blood Grouping
Urine Analysis
Instruments Used in Biochemistry
Blood Glucose estimation, HbA1c
Renal Function Test
Liver Function Test
Cardiac Function Test
Pancreatic Function Test
Other parameters of diagnostic importance
Automation and recent advances
Equipment Handling and BMW

Quality Control
Basic Principles of Radio technology, Radiation Hazards and protection
Dark Room Procedure, Positioning in Radiography
X-Ray procedure
Report Printing and distribution