Routine Laboratory Techniques-I BVOMLT-106

**Unit I**

Human Healthcare and Safety Regulations Basic causes of accidents, common types of laboratory accidents. First aid in laboratory HSS/N0301/N030 3/N9606 Human health and Homeostasis, medical care in India, Medical Laboratories of developing countries, Importance of Biomedical Waste. NABL and SOP HSS/N0301/N030 3/N9606 Organization of Laboratory Functional components of clinical laboratories,( cleanliness, precautions to be taken WRT patients ,reports, analysis. Communication between physician ,patients, and the medical laboratory professional, basic needs of clinical laboratory technician, awareness of soft skills,. HSS/N0301/N030 3/N9606 Basic Laboratory Equipments Identification, use, maintenance and care of common laboratory glassware and equipments, handling of all glassware ,,use, principle and care of centrifuge, colorimter, oven, incubator, microscope, Newber's chamber, Autoclave.etc . HSS/N0301/N030 2/N0303/N0307/N 9606 Automation Semiautoanalysers HSS/N0303

**Unit II**

Introduction to Haematology and Routine tests Components of blood and their functions, Haematopoietic systems of the body HSS/N0302/N030 4 Haematological Diseases Anaemia and various types of anemias, Thalssemias, Polycythemia, Leukemia, hemolytic disease of new born,multiple myoloma, parasitic infections of blood HSS/N0301/N030 2/N0304

**Unit III**

Specimen Collection

Specimen collection for hematological studies

HSS/N0301/N030 2/N0303

**Unit IV**

Laboratory Preparation in Hematology Cleaning of Laboratory glassware in hematology HSS//N0303