Special Laboratory Techniques-I) BVOMLT-105

**Unit I**

Acid Phosphatase (ACP), Alkaline Phosphatase (ALP), Amino acids, Bilirubin, Cholesterol, Creatinine, Creatine Phosphokinase (CPK), SGOT,SGPT,Uric Acid, Urea, TSH

HSS/N0301/N0302/N0304

Biochemical Test Profile (Quantitative determination of Urine)

Amylase, Calcium, Chlorides, Creatinine, Sodium, Potassium, Glucose, Proteins, Urea nitrogen, uric acid

HSS/N0301/N0302/N0304

**Unit II**

Biochemical Test Profile – II (Quantitative determination of CSF)

Chlorides, Glucose, Proteins HSS/N0301/N0302/N0304 Sterilization Techniques Definition & Methods, principles, bacteriological filtration, irradiation, tyndalization HSS/N0301/N0302/N0304 Elementary Knowledge of Chemistry- I

**Unit III**

Elementary Knowledge of Inorganic Chemistry

Structure of atom, atomic weight, molecular and equivalent weight. Acids, bases and salts. pH indicators (pH meter, pH paper, universal indicator). Molar solutions, normal solutions, buffer solutions, percent solutions, saturated solutions, standard solutions

HSS/N0301/N0302/N0304/ N9602

Elementary Knowledge of Organic Chemistry

Organic compounds, aliphatic, aromatic, alcohol, ethers, phenols, acids, etc.

HSS/N0301/N0302/N0304/ N9602 Elementary Knowledge of Chemistry- II

**Unit IV**

Elementary Knowledge of Physical Chemistry

Osmosis, osmotic pressure, diffusion, hypotonic, hypertonic and isotonic solutions. Definition and classification of some colloids and crystalloids.

HSS/N0301/N0302/N0304/ N9602

Elementary Knowledge of Analytical Chemistry

Principles, instrumentation, working, uses, care, maintenance : balances,- monopan, twopan, toppan, centrifuges, pH meter, colorimeter, spectrophotometer, florimeter, flame photometer, ion selective electrodes, urinometer, chromatograph, electrophoresis, densitometer.

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