



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S
RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)



DEPARTMENT OF BIOTECHNOLOGY

481171L1-ADVANCED BIOCHEMISTRY LAB

LIST OF EXPERIMENTS

Qualitative Analysis

- (i) Carbohydrates
- (ii) Lipids
- (iii) Proteins
- (iv) Normal and abnormal constituents of urine.

II. Quantitative Analysis

- (i) Estimation of glucose by ortho - Toluidine method
- (ii) Estimation of blood urea by Nessler's method
- (iii) Estimation of cholesterol by Zak's method
- (iv) Estimation of bilirubin by Malloy and Erellyn method
- (v) Estimation of protein by Lowry's method
- (vi) Estimation of nucleic acids by spectrophotometric method
- (vii) Estimation of haemoglobin by Shali's method.
- (viii) Determination of Erythrocyte Sedimentation Rate by using Westergren Pipette

III. Chromatography

- (i) Separation of sugars and amino acids by Paper chromatography
- (ii) Extraction of lipids and analysis by TLC.

IV. Enzyme assay

- (i) Determination of serum LDH activity
- (ii) Determination of Serum Glutamate Oxaloacetate Transaminase (SGOT) by Mohn and Cook method.
- (iii) Determination of Serum Glutamate Pyruvate Transaminase (SGPT) by IFCC Method

A. V. L.

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