

Contents

<i>Foreword by Dr Vedprakash Mishra</i>	<i>v</i>
<i>Preface</i>	<i>vii</i>

SECTION A: PROCEDURAL STATION

1. Heat Coagulation Test	9
2. Heller's Nitric Acid Test	11
3. Benedict's Test	13
4. O-Toluidine Test	15
5. Hay's Sulphur Test	17
6. Rothera's Test	19
7. Fouchet's Test	21
8. Measurement of Specific Gravity	23
9. Preparation of Buffer	25

SECTION B: RESPONSE STATION

B-I. Based on Test Performed in Procedural Station	29
1. Heat Coagulation Test	29
2. Heller's Nitric Acid Test	29
3. Benedict's Test	29
4. O-Toluidine Test	30
5. Hay's Sulphur Powder Test	30
6. Rothera's Test	30
7. Fouchet's Test	31
8. Measurement of Specific Gravity	31
9. Preparation of Buffer	32
B-II. Based on Graph	33
1. Glucose Tolerance Test—Normal	33
2. Glucose Tolerance Test—Impaired	34
3. Glucose Tolerance Test—Diabetes Mellitus	35
4. Competitive Inhibition	36
5. Competitive Inhibition—Lineweaver Burk Plot	37
6. Non-competitive Inhibition	38

7. Non-competitive Inhibition—Lineweaver Burk Plot	39
8. Electrophoresis—Nephrotic Syndrome	40
B-III. Based on Instruments	41
1. Electrophoresis	41
2. Chromatography	42
3. pH Meter	43
4. ELISA Reader	44
5. ABG Analyser	45
6. Auto Analyser	46
7. Colorimeter	47
B-IV. Based on Interpretation of Laboratory Report	48
1. Von Gierke's Disease	48
2. Diabetic Ketoacidosis	48
3. Metabolic Alkalosis	49
4. Respiratory Alkalosis	49
5. Obstructive Jaundice	50
6. Hemolytic Jaundice	51
7. Hepatic Jaundice	51
8. Chronic Renal Failure	52
9. Gout	52
10. Primary Hypothyroidism	53
B-V. Clinical Images	54
1. Koilonychia	54
2. Sickle cell Disease	54
3. Scurvy	54
4. Rickets	54
5. Goitre	54
6. Kwashiorkor	54
7. Marasmus	54
B-VI. Quality Control Charts	55
<i>Index</i>	<i>61</i>