

Elective paper BT 304 Clinical Biochemistry.

Section I

Unit 1

- 1.1. Disorders of carbohydrate metabolism: Diabetes mellitus,
- 1.2. Glucose and galactose tolerance tests, sugar levels in blood, renal threshold for glucose.
- 1.3. Factors influencing blood glucose
- 1.4. Glycogen storage diseases

Unit 2

- 2.1. Disorders of lipids: Plasma lipoproteins, cholesterol, triglycerides & phospholipids in health and disease
- 2.1. Hyperlipidemia, hyperlipoproteinemia .
- 2.2. Gaucher's disease, Tay-Sach's and Niemann-Pick. disease
- 2.3. Ketone bodies and Abetalipoproteinemia

Section II

Unit 3

- 3.1. Digestive diseases : Maldigestion
- 3.2. Malabsorption
- 3.3. Creatorrhoea
- 3.4. Diarrhoea and steatorrhoea.

Unit 4

- 4.1. Disorders of liver and kidney – Jaundice
- 4.2. fatty liver
- 4.3. normal and abnormal functions of liver and kidney
- 4.4. urea clearance