

**SABBHAVNA COLLEGE OF MANAGEMENT & TECHNOLOGY  
VILLAGE JALALDIWAL, RAIKOT , LUDHIANA (PB)**

**Subject Name - Biochem**

**Subject Code-1994**

**Theory**

1. Introduction to biochemistry
2. Brief chemistry and role of proteins, Polypeptides and amino acids, classification, qualitative tests, Biological value, Deficiency diseases.
3. Brief chemistry and role of Carbohydrates, classification, qualitative tests, disease related to Carbohydrates metabolism.
4. Brief chemistry and role of lipids, classification, qualitative tests, disease related to lipids metabolism.
5. Brief chemistry and role of Vitamins and Coenzymes.
6. Role of mineral and water in life processes.
7. Enzymes : brief concept of enzymic action. Factors affecting it. Therapeutic and pharmaceutical importance.
8. Brief concept of normal and abnormal metabolism of proteins, carbohydrates and lipids.
9. Introduction to pathology of blood and urine.
  - (a) Lymphocytes and platelets, their role in health and disease
  - (b) Erythrocytes - Abnormal cells and their significance.
  - (c) Abnormal constituents of urine and their significance in diseases.



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