

BIOCHEMISTRY (Practical)

1. Q ualitative analysis of carbohydrates (Glucose, Fructose, Lactose, Maltose, Sucrose and starch)
2. I dentification tests for Proteins (albumin and Casein)
3. Q uantitative analysis of reducing sugars (DNSA method) and Proteins (Biuret method)
4. Q ualitative analysis of urine for abnormal constituents
5. D etermination of blood creatinine
6. D etermination of blood sugar
7. D etermination of serum total cholesterol
8. P reparation of buffer solution and measurement of pH
9. S tudy of enzymatic hydrolysis of starch
10. D etermination of Salivary amylase activity
11. S tudy the effect of Temperature on Salivary amylase activity.
12. S tudy the effect of substrate concentration on salivary amylase activity.

Recommended Books (Latest Editions)

1. Principles of Biochemistry by Lehninger.
2. Harper's Biochemistry by Robert K. Murry, Daryl K. Granner and Victor W. Rodwell.
3. Biochemistry by Stryer.
4. Biochemistry by D. Satyanarayan and U.Chakrapani
5. Textbook of Biochemistry by Rama Rao.
6. Textbook of Biochemistry by Deb.
7. Outlines of Biochemistry by Conn and Stumpf
8. Practical Biochemistry by R.C. Gupta and S. Bhargavan.
9. Introduction of Practical Biochemistry by David T. Plummer. (3rd Edition)
10. Practical Biochemistry for Medical students by Rajagopal and Ramakrishna.
11. Practical Biochemistry by Harold Varley.