



Department of <b>Biotechnology</b>		LP: BT22311
B.E/B.Tech/M.E/M.Tech : B. Tech	Regulation: 2022	Rev. No: 00
PG Specialisation : -		Date: 01/08/2023
Sub. Code / Sub. Name : BT22311/ Biochemistry Laboratory		

Session No*	List of Experiments
<b>CYCLE-I</b>	
1.	Preparation and measurement of pH of standard buffers
2.	Qualitative analysis of carbohydrates
3.	Qualitative analysis of proteins
4.	Qualitative analysis of lipids
5.	Quantitative analysis of proteins
6.	Quantitative analysis of carbohydrates
7.	Quantitative analysis of lipids
8.	Estimation of bilirubin in serum
9.	Estimation of creatinine in urine or serum
10.	Estimation of chloride in urine
11.	Estimation of ammonia in urine
12.	Quantitative analysis of urea in urine
Content beyond syllabus (if any): Acid hydrolysis and action of salivary amylase on starch	

\* Session Duration: 200 minutes



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## COURSE DELIVERY PLAN - LAB

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Sub. Code / Sub. Name: BT22311 / Biochemistry Laboratory

**TEXT BOOKS / REFERENCE BOOKS:**

1. Gupta, R.C. & Bhargavan, S., Practical Biochemistry, CBS Publishers and Distributors, New Delhi, 1985
2. David, T. Plummer., Introduction of Practical Biochemistry, 3<sup>rd</sup> Edition, Tata McGraw-Hill Publishing Company Limited, New Delhi, 2008.
3. Murray, R.K., Granner D.K., Mayes, P.A. & Rodwell, V.W., Harpers Biochemistry, 25<sup>th</sup> Edition, Appleton and Lange, Stamford, Connecticut, 2000.
4. Thomas, M. Devlin., Textbook of Biochemistry with clinical correlations, 6<sup>th</sup> Edition, Wiley Liss Publishers, 2006.

	Prepared by	Approved by
Signature		
Name	Dr. S. Pandi Prabha	Dr. E. Nakkeeran
Designation	Professor, Biotechnology	HOD, Biotechnology
Date	01/08/2023	01/08/2023
Remarks *: The same lab plan is followed in the subsequent semester/year		
Remarks *: Nil		

\* If the same lab plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD

  
1/8/23