SRI VENKATESWARA COLLEGE OF ENGINEERING

COURSE DELIVERY PLAN - LAB

Department of **Biotechnology**	LP: BT22312
B.E/**B.Tech**/M.E/M.Tech : B. Tech Regulation: 2022	Rev. No: 00
PG Specialisation : -	Date: 10/06/2026
Sub. Code / Sub. Name : BT22312/ Biochemistry Laboratory	

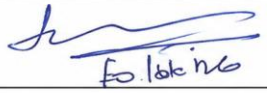
Session No*	List of Experiments
CYCLE-I	
1.	Preparation and measurement of pH of standard buffers
2.	Qualitative analysis of carbohydrates
3.	Qualitative analysis of proteins
4.	Qualitative analysis of lipids
5.	Quantitative analysis of proteins
6.	Quantitative analysis of proteins
7.	Quantitative analysis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

* Session Duration: 200 minutes

Sub. Code / Sub. Name: BT22312 / 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, 3rd 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, 25th Edition, Appleton and Lange, Stamford, Conneticut, 2000.
4. Thomas, M. Devlin., Textbook of Biochemistry with clinical correlations, 6th Edition, Wiley Liss Publishers, 2006.

	Prepared by	Approved by
Signature		
Name	Dr. S. Pandi Prabha	Dr. E. Nakkeeran
Designation	Professor & AHOD, Biotechnology	Professor & HOD, Biotechnology
Date	10/06/2026	10/06/2026
Remarks *:-		
Remarks *:-		

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