



Code	Subject Title	Cr. Hrs	Semester
ZOOL-304	Biochemistry II Lab	1	V
Year	Discipline		
3	Zoology		

1. Preparation of standard curve for glucose by *o*-Toluidine method.
2. Preparation of standard curve for proteins by Biuret method.
3. Separation and identification of various amino acids by paper chromatography.
4. Preparation of standard curve and estimation of DNA by colorimetric analysis using Diphenylamine method.
5. Preparation of standard curve and estimation of total RNA by colorimetric analysis using Orcinol method.
6. Preparation of standard curve and estimation of lipid by vanilline reagent.
7. Demonstration of the effect temperature on the enzymatic rate of reaction.
8. Demonstration of the effect of pH on the enzymatic rate of reaction.

Books Recommended

1. Plummer, David T., 1990. An Introduction to Practical Biochemistry, 4th Edition McGraw-Hill Book Company, London.
2. Wilson, K and Walker, J., 1994. Practical Biochemistry: Principles and Techniques, 4th Edition, Cambridge University Press.
3. Alexander, R.R. and Griffiths, J.M. 1993. Basic biochemical methods. Wiley – Liss, New York.
4. Sawhney, S. K. and Singh, R., 2006. Introductory Practical Biochemistry, 2nd Edition, Narosa Publishing House.
5. Oser, B. L., (Latest Edition). Hawk's Physiological Chemistry, McGraw Hill Book Company