

BIOCHEMISTRY (BS-ADP 7th Semester)

Module Code:	Chem-439
Module Title:	Bio Chemistry Lab - II
Name of Scheme:	BS-ADP 7th Semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES

This course will help students to understand practical grounds of urine and blood analysis. In addition, it will assist to estimate blood constituents.

SYLLABUS OUTLINES

- Analysis of organic constituents of blood.
- Mineral determination such as calcium and magnesium by titration and atomic absorption spectroscopy.
- Mineral determination of sodium and potassium by flame photometry.
- Mineral determination of zinc, phosphate and cobalt by atomic absorption spectroscopy.
- Analysis of Urea, creatinine, cholesterol, triglycerides and Biliuribin by chemical method.
- Determination of blood groups.

RECOMMENDED BOOKS:

1. Practical clinical Biochemistry by Varley. Pub: CBSpublishers
2. An Introduction to Practical Biochemistry By D. T. Plummer Pub: McGrawHill
3. Practical Clinical Biochemistry 4th Edition (English, Paperback, Harold Varley)
4. Varleys Practical Clinical Biochemistry 6th Edition (English, Hardcover, Alan H. Gowenlock)