

BIOCHEMISTRY (BS-ADP 7th Semester)

Module Code:	Chem-437
Module Title:	Bio Chemistry Lab - I
Name of Scheme:	BS-ADP 7th semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES

The course will be helpful for students to understand the absorption, isolation and estimation of genetic material by using animal sources.

SYLLABUS OUTLINES

- Preparation of solution for the Isolation of RNA from animal sources.
- UV absorption of nucleic acids.
- Isolation of DNA by organic and inorganic method.
- Qualitative and Quantitative estimation of DNA by gel electrophoresis.
- Spectrophotometric analysis of DNA and RNA.
- DNA purification by gel electrophoresis
- Use of micro pipettes of varying range.
- Isolation and estimation of DNA from plant sources.

RECOMMENDED BOOKS:

1. Practical clinical Biochemistry by Varley. Pub: CBSpublishersAn
2. 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)