

APPLIED CHEMISTRY (BS-ADP 8th Semester)

Module Code:	Chem-474
Module title:	Applied Chemistry Lab - II
Name of Scheme:	BS-ADP 8th Semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES

It will increase the practical handling of the students regarding analysis of sugar cane juice and liquid effluents from sugar industry

SYLLABUS OUTLINE:

Determination of Sucrose content in sugar cane juice by polarimetry and refractive index, Determination of reducing sugars, Determination of BOD, COD and DO in water bodies and industrial effluents, Determination of pH of soil, Determination of calcium in agricultural effluents.

RECOMMENDED BOOKS:

1. Applied Chemistry, Haq Nawaz Bhatti and Muhammad Salman, 2017, Caravan Book Publisher, Pakistan.
2. Pulp and Paper Technology, Testing and Applications, K.P. Rao (2003), CBS Publishers.
3. Chemistry of Pulp and Paper making, Edwin Sutermeister, Ed-3rd (1946)
4. Fertilizers and Soil Fertility, U.S.Jones, Reston Publishing Co. Virginia, 1979.
5. Industrial chemistry, B. K. Sharma, Krishna Prakashan Media (P) Ltd., Ed-15 (2006).
6. Shereve's Chemical Process Industries, 5th Ed.1975, by G.T.Austin, McGraw Hill Book Co. New York.