

APPLIED CHEMISTRY (BS-ADP 6th Semester)

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| Module Code: | Chem-333 |
| Module Title: | Applied Chemistry Lab |
| Name of Scheme: | BS-ADP 6th Semester |
| Department: | School of Chemistry |
| Faculty: | Science |
| Module type: | Optional |
| Module Rating: | 1 credit |

OBJECTIVES

It will the students to increase their working skills in labs, theory and working of Flamephotometry.

SYLLABUS OUTLINE:

- Preparations:**
Dentifrice, Thermo and Thermosetting polymers
- Titrimetry:**
Estimation of Residual and Available Chlorine
Acidity of Vinegar
Acidity of Sulphuric acid
Analysis of Soap (Free and Combined alkalinity)
- Flamephotometry:**
Determination of the Sodium in water
Determination of Potassium in water
Simultaneous determination of sodium and potassium in water

RECOMMENDED BOOKS:

- Applied Chemistry, Haq Nawaz Bhatti and Muhammad Salman, 2017, Caravan Book Publisher, Pakistan.
- Water Supply and Sewerage, T.J.McGhee, McGraw Hill Book Co. New York.(1991)
- Hand Book of Industrial Chemicals, By SIRI Board of Consultants and Engineers,
- Shereve's Chemical Process Industries, 5th Ed.1975 by G.T.Austin McGraw Hill Book Co. New York.
- Industrial chemistry, B. K. Sharma Krishna Prakashan Media (P) Ltd., Ed-15 (2006)