

ANALYTICAL CHEMISTRY (BS-ADP 6th Semester)

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| Module Code: | Chem-330 |
| Module title: | Analytical Chemistry Lab |
| Name of Scheme: | BS-ADP 6th Semester |
| Department: | School of Chemistry |
| Faculty: | Science |
| Module Type: | Optional |
| Module Rating: | 1 credit |

OBJECTIVES:

Outline of this course covers latest analytical separation techniques involving different types of chromatography. It also finds its applications in various fields regarding organic and inorganic separations.

SYLLABUS OUTLINE:

1. Molecular Spectrophotometry:

- Separation of ink components by paper chromatography
- Separation of amino acids by thin layer chromatography
- Separation of dyes by column chromatography
- Separation of mixtures by circular paper chromatography

RECOMMENDED BOOKS:

1. Vogel's text book of quantitative inorganic analysis by J. Bassett. The English language book Society and Longman
2. Introduction to chromatography by Nasir-ud-din, Published by author
3. Paper chromatography by Dr. Friedrich Cramer, London Macmillan and Co. Ltd
4. Thin-layer chromatography by Marini, Elsevier publisher