

BS (4 Years) for Affiliated Colleges



Code	Subject Title	Cr. Hrs	Semester
CHEM-417	Applied Chemistry (Sp. Practical)	2	VII
Year	Discipline		
4	Chemistry		

SYLLABUS OUTLINE:

1. Oil & Fats

Acid value; Ester Value; Saponification value and Iodine value of different vegetable oils

2. Water Pollution

- (a) Dissolved Oxygen
- (b) Biological Oxygen Demand
- (c) Chemical Oxygen Demand

3. Industrial Analysis

Steel Analysis involving volumetry, spectrophotometry and solvent extraction.

Analysis of dolomite; haemetite; chromite and bauxite ores involving separation and analytical techniques.

4. Textile

Dyeing of clothes in different shades using Acid dyes

RECOMMENDED BOOKS:

1. Metallurgical Analysis, Lord (1893).
2. Applied Chemistry Theory and Practice, O.P. Vermani & A.K. Narula, Wiley Eastern Limited (1989).
3. T. B. of Quantitative Inorganic Analysis, Vogel's Ed-4th, Longman Group Limited (1978).
4. Practical Statistics for the Analytical Scientist, A Bench Guide, RSC Publishing LGC Ltd 2009.
5. Dyes and Dyeing, C. E. Pellew, Abhishek Publishers (1998).