



DEPARTMENT OF CHEMISTRY

SYLLABUS – Environment & Ecology Lab.

Name of Subject	Environment & Ecology	Subject Code	0020222(CH)
Semester	1 st and 2 nd	Board of Studies	Chemistry
Maximum Marks	20	Minimum Marks	12
Lecture Periods/Week	Tutorial Periods/Week	Practical Periods/week	Credits
-	-	2	1

List of Experiments:

Experiment 1

Determination of free CO₂ in a given sample of H₂O.

Experiment 2

To determine the acidity of given sample of water.

Experiment 3

To determine acid value of given oil sample.

Experiment 4

Determination of temporary hardness of water (Hahner's Method).

Experiment 5

Determination of Dissolve Oxygen present in a water sample.

Experiment 6

Determination of Chemical Oxygen Demand in waste water sample.

Experiment 7

Determination of Biological Oxygen Demand in waste water sample.

Experiment 8

Estimation of Chloride in a water sample by Volhard's method.

Experiment 9

Measurement of pH of given water sample.

Experiment 10

Measurement of Turbidity of given water sample by Nephelo Turbidity Meter.

Text Books

1. A textbook on Experiments and Calculations in Engineering Chemistry by S. S. Dara, S. Chan Publications, New Delhi.

Reference Books

1. Vogel's Textbook of Quantitative Chemical Analysis (Latest ed.), Revised by G. H. Jeffery, J. Bassett, J. Mendham & R. C. Denney.