

Pramukh Swami Science and H.D.Patel Arts College, Kadi
Department of Biotechnology
Syllabus
Prescribed For
Certificate Course in Macronutrient analysis Soil

Unit – I : Importance of Soil Testing and Analysis : Soil nutrients

Unit – II : Sample Collection and Processing Purpose of Soil testing and analysis

Unit – III : Study of Instruments: Brief study of instruments : Ph Meter, Conductivity meter, spectrometer.

Unit – IV : Study of Laboratory Setup Laboratory, preparation of chemicals.

PRACTICALS

Soil Analysis & Testing Methods

1. Visit to Soil Testing Laboratory & Report writing.
2. Visit to Farmers Fields for Collection of Soil Samples
3. Preparation of Various Chemical reagents required for soil testing.
4. Processing of Soil Sampling for analysis
5. Determination of PH of soil sample using PH meter
6. Determination of Electrical Conductivity of Soil Sample using Electrical Conductivity meter.
7. Determination of Organic Carbon by minilab.
8. Determination of available Nitrogen from Soil Sample by minilab.
9. Determination of available phosphorus from soil sample.

Co-Ordinator
Soil Analysis Programme
PS Science & H. D. Patel Arts College
Kadi.

Principal
P. S. Science & H. D. Patel
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