

SARDAR PATEL UNIVERSITY
Programme: B.Sc
Semester: IV
Syllabus with effect from: November - 2012

Paper Code: US04CENV03	Total Credit: 3
Title of Paper: Practical	

Unit	Description in detail	Weightage (%)
	Study of meteorological instruments - Simple Thermometer, Minimum Maximum Thermometer, Wet and Dry bulb Thermometer, Stevenson's screen, Cup anemometer, Rain Gauge, Hygrograph, Lux meter, Barometer, Planimeter.	
	Soil Analysis	
	Measurement of Temperature, pH & conductivity from soil saturation	
	Estimation of Bulk density from soil sample	
	Estimation of Organic carbon from soil sample	
	Estimation of chlorides from soil sample	
	Estimation of sulphates from soil sample	
	Estimation of Available nitrogen from soil sample	
	Determination of Carbon dioxide from given sample	
	Estimation of Carbonates from soil sample	
	Estimation of Magnesium from given soil sample	
	Study of Hydrophytes and xerophytes	

Basic Text & Reference Books :-

- Biology: A functional approach. T.J.King, M.B.V. Roberts.
- Standard methods for water and waste water treatment - A.P.H.A Publication
- Practical methods in Ecology and Environmental Sciences R.K.Trivedi, P.K Goel.

