

B. Sc. Life Sciences I Year IIsem

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Plant Ecology and Taxonomy-**Practical (Batch-I)**

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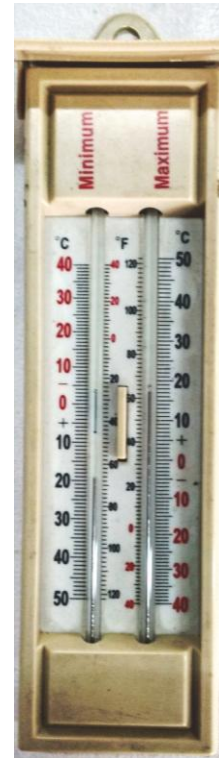
Q1. Submission of practical sheets of adaptations in Xerophytes
(both diagrams and write- up).

Instruments used to study microclimatic Variables



Soil Thermometer

Soil thermometer is used to measure the temperature of the soil. It is ideal for the horticulturist or keen gardener for measuring the temperature of soil, compost etc.



Maximum and Minimum Thermometer

A thermometer designed to record both the maximum and minimum temperatures that have occurred over a given time period.



Lux meter

Lux meter measures of the overall intensity of light within an environment for any given area or distance from the source.



Digital Anemometer

An **anemometer** is a device used for measuring wind speed and direction. It is also a common weather station instrument used in meteorology.



Dry and Wet Thermometer
(Hanging Psychrometer)



Sling Psychrometer
(Rotary Psychrometer)

A **psychrometer** measures the relative humidity in the atmosphere through the use of two thermometers- A dry bulb thermometer, is used to measure the temperature by being exposed to the air and a wet bulb thermometer, measures temperature by having the bulb dipped in a liquid.



Rain Gauge

A **rain gauge** (also known as an **udometer**, **pluviometer**, or an **ombrometer**) is an instrument used by meteorologists and hydrologists to gather and measure the amount of liquid precipitation over an area in a predefined period of time.