

## B.Sc. III Sem VI

Student study the effect of temperature and organic solvent on permeability of plasma membrane.

Student acquired knowledge about osmotic pressure of cell sap by plasmolytic method.

Student learn about determine water potential of plant tissue.

Student learn about determine the path of water (ascent of sap)

Student learn about determine the rate of transpiration by Ganongs photometer.

Student learn about determine rate of photosynthesis under varying quality of light and CO<sub>2</sub> concentration.

Student acquired knowledge the rate of photosynthesis in terrestrial plants with the help of Ganongs Photosynthometer.

Student learn about Separation of chloroplast pigments by paper chromatography/ solvent extraction method.

Students learn about Separation of amino acids by paper chromatography method.

Students learn about determine R.Q. using different substrates.

Students learn about determine the rate of respiration by Ganongs respirometer.

Students learn about antagonism of salts.

Students learn about phenomenon of adsorption.

Student acquired knowledge about effect of IAA and Gibberellins on seed germination.

Student acquired knowledge about Test for secondary metabolites- Alkaloid, Phenolics, Tannin, Flavonoids and Lignin

Student acquired knowledge about Endo and Exo-osmosis by egg membrane

osmoscope

Student acquired knowledge fermentation.

Student acquired knowledge exo and endosmosis

Student acquired knowledge of transpiration by Bell jar.

Students learn about light is necessary for photosynthesis

Students learn about anaerobic respiration in germinating seeds.

Students learn about the evolution of CO<sub>2</sub> in respiration.

Students learn about the phenomenon of nastic movement with help of *Mimosa pudica* / or *Biophytum sensitivum*.

Students learn about morphological and anatomical adaptations in hydrophytes – *Hydrilla*, *Eichhornia*, *Typha*, *Vallisneria* and *Nymphaea* (any two)

Students learn about morphological and anatomical adaptations in xerophytes - *Asparagus*, *Nerium*, *Casuarina*, *Euphorbia*, *Cycas*, *Opuntia* (any two)

Students learn about community characteristics by quadrat method.

Students learn about water holding capacity of different soils.

Students learn about the texture of different soils by sieve method.

Students learn about the porosity of soil.

Students learn about transparency and temperature of water bodies.

Student acquired knowledge about Estimation of salinity of different water samples

Student acquired knowledge about Determination of pH of different soils and water samples by pH papers/ pH meter.

Students learn about meteorological instruments -Rain gauge, Hygrometer, Barometer