

## ICSE Class 10 Biology Practical Syllabus

(i) Observation of permanent slides of stages of mitosis.

(ii) Experiments demonstrating:

- Diffusion: using potassium permanganate in water.
- Osmosis: Thistle Funnel experiment and potato osmoscope,
- Absorption: using a small herbaceous plant.

(iii) Experiments on Transpiration:

- Demonstration of the process using a Bell Jar.
- Demonstration of unequal transpiration in a dorsiventral leaf using cobalt chloride paper.
- Demonstration of uptake of water and the rate of transpiration using Ganong's potometer.

(iv) Experiments on Photosynthesis:

- To show the necessity of light, carbon dioxide and chlorophyll for photosynthesis.
- To show the release of O<sub>2</sub> during photosynthesis using hydrilla / elodea.

### ANIMAL LIFE

(i) Identification of the structures of the urinary system, heart and kidney (internal structure) and brain (external view) through models and charts

(ii) The identification of different types of blood cells under a microscope.

(iii) Identification of the internal structure of the Ear and Eye (Through models and charts).

(iv) Identification and location of selected endocrine glands: Adrenal, Pancreas, Thyroid and Pituitary glands with the help of a model or chart.