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LAB ACTIVITIES OF BIOLOGY (2024-25)
XI

Month	Practical/Activity to be conducted
April	1. To study and describe locally available common flowering plants. 2. To prepare and study T.S. of dicot and monocot roots and stems (primary).
May	3. To study the distribution of stomata on the upper and lower surfaces of leaves. 4. To separate plant pigments through paper chromatography.
July	5. To study the parts of a compound microscope in detail. 6. To identify specimens/slides/models with reasons of bacteria, oscillatoria and spirogyra.
August	7. To identify specimens/slides/models with reasons of rhizopus and mushroom. 8. To identify features of virtual specimens/slides/models amoeba, hydra and liverfluke.
October	9. To identify features of virtual specimens/slides/models of ascaris, leech and earthworm. 10. To study mitosis in onion root tip cells.
November	11. To test the presence of sugar, starch, proteins and fats in suitable plant materials. 12. To study osmosis by potato osmometer.
December	13. To study plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves) or flashy scale leaves of onion bulb.
January	14. To study mitosis in onion root tip cells. (Revision.) 15. To study distribution of stomata on the upper and lower surfaces of leaves. (Revision.)