

LAB ACTIVITIES OF BIOLOGY (2024-25) XII

Month	Practical/Activity to be conducted
April	1. To prepare a temporary mount to observe pollen germination. 2. To study the plant population density by quadrat method.
May	3. To study the plant population frequency by quadrat method. 4. To prepare a temporary mount of onion root tip to study mitosis.
July	5. To isolate DNA from available plant material such as spinach. 6. To study pollen germination on stigma through a permanent slide or scanning electron micrograph.
August	7. To identify stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides. 8. To study T.S. of blastula through permanent slides (Mammalian.)
October	9. To study Mendelian inheritance using seeds of different colors/sizes of any plant. 10. To prepare pedigree charts of any one of the genetic traits such as rolling of the tongue, blood groups and color blindness.
November	11. To study common disease-causing organisms like ascaris, entamoeba, plasmodium, and any fungus causing ringworm through permanent slides, models or virtual images or specimens and comment on symptoms of diseases that they cause.
December	12. To prepare a temporary mount of onion root tip to study mitosis. (Revision.) 13. To isolate DNA from available plant material such as spinach. (Revision.)