



LAB ACTIVITIES OF PHYSICS (2024-25)

XI

Month	Practical/Activity to be conducted
April	1. To measure the diameter of a small spherical/cylindrical body using vernier calipers. 2. To measure the internal diameter and depth of a given beaker/calorimeter using vernier calipers and hence find its volume.
May	3. To measure diameter of given wire using screw gauge. 4. To measure thickness of a given sheet using screw gauge.
July	5. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm. 6. To determine mass of a given body using a metre scale by principle of moments.
August	7. To plot a graph for a given set of data, with proper choice of scales and error bars. 8. To measure the force of limiting friction for rolling of a roller on a horizontal plane.
October	9. To determine the mass of a given object using a beam balance. 10. To find the weight of a given body using the parallelogram law of vectors.
November	11. Using a simple pendulum plot L-T and L-T ² graphs. Hence find the effective length of second's pendulum using appropriate length values. 12. To find the force constant of given helical spring by plotting a graph between load and extension.
December	13. To observe change of state and plot a cooling curve for molten wax. 14. To observe and explain the effect of heating on a bi-metallic strip.
January	15. To measure diameter of given wire using screw gauge. (Revision.) 16. To measure the internal diameter and depth of a given beaker/calorimeter using vernier calipers and hence find its volume. (Revision.)