

Lab Activities of Mathematics (2025-26)

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Month	Practical/Activity to be conducted
April	1. To verify the conditions of consistency/inconsistency for a pair of linear equations in two variables by graphical method. 2. To verify that the given sequence is an arithmetic progression by paper cutting and pasting method.
May	3. To find the sum of first n natural numbers by paper cutting and pasting method. 4. To find the sum of the first n odd natural numbers by graphical method.
July	5. To verify the distance formula by graphical method. 6. To verify section formula by graphical method.
August	7. To establish the criteria for similarity of two triangles by paper cutting and pasting method. 8. To establish a formula for the sum of first, n terms of an arithmetic progression using rectangular strips.
October	9. To verify basic proportionality theorem (thales theorem) using thread and paper. 10. To verify pythagoras theorem, using (pythagoras theorem) kit.
November	11. To verify experimentally, that the tangent at any point to a circle is perpendicular to the radius through that point. 12. To obtain the formula for the area of a circle experimentally.
December	13. To determine the experimental probability of a head (or a tail) by tossing a coin 100 times and compare it with its theoretical probability. 14. To find the centroid of a triangle graphically.
January	15. To verify basic proportionality theorem (thales theorem) using thread and paper. (Revision.) 16. To verify experimentally, that the tangent at any point to a circle is perpendicular to the radius through that point. (Revision.)
February	17. To determine the experimental probability of a head (or a tail) by tossing a coin 100 times and compare it with its theoretical probability. (Revision.) 18. To find the centroid of a triangle graphically. (Revision.)