## Lab Activities of Mathematics (2024-25)
### X

| 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. <br> 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. <br> 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. <br> 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. <br> 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. <br> 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. <br> 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. <br> 14. To find the centroid of a triangle graphically. |
| January | 15. To verify basic proportionality theorem (thales theorem) using thread and paper. (Revision.) <br> 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.) <br> 18. To find the centroid of a triangle graphically. (Revision.) |