ACTIVITES (TERM-II)
(Any Eight)

Activity1: To find geometrically the solution of a Quadratic Equation $ax^2+bx+c=0$, $a\neq 0$ (where $a=1$) by using the method of computing the square.

Activity2: To verify that given sequence is an A.P (Arithmetic Progression) by the paper Cutting and Paper Folding.

Activity3: To verify that $\sum n = \frac{n(n+1)}{2}$ by Graphical method

Activity4: To verify experimentally that the tangent at any point to a circle is perpendicular to the Radius through that point.

Activity5: To find the number of tangent from a point to the circle

Activity6: To verify that lengths of tangents drawn from an external Point, to a circle are equal by using method of paper cutting, paper folding and pasting.

Activity7: To Draw a quadrilateral similar to a given quadrilateral as per given scale factor (Less than 1)

Activity8: (a) To make mathematical instrument clinometer (or sextant) for measuring the angle of elevation/depression of an object
(b) To calculate the height of an object making use of clinometers (or sextant)

Activity9: To get familiar with the idea of probability of an event through a double color card experiment.

Activity10: To verify experimentally that the probability of getting two tails when two coins are tossed simultaneously is $\frac{1}{4}= (0.25)$ (By eighty tosses of two coins)

Activity11: To find the distance between two objects by physically demonstrating the position of the two objects say two Boys in a Hall, taking a set of reference axes with the corner of the hall as origin.

Activity12: Division of line segment by taking suitable points that intersects the axes at some points and then verifying section formula.

Activity13: To verify the formula for the area of a triangle by graphical method.

Activity14: To obtain formula for Area of a circle experimentally.

Activity15: To give a suggestive demonstration of the formula for the surface Area of a circus Tent.

Activity16: To obtain the formula for the volume of Frustum of a cone.