

# **A STUDY ON PEBBLING NUMBER, COVER PEBBLING NUMBER, EDGE PEBBLING NUMBER AND COVER EDGE PEBBLING NUMBER OF GRAPHS**

Let  $G$  be a connected graph. The pebbling or edge pebbling move on  $G$  is the process of removing two pebbles from one edge and placing one pebble on the adjacent vertex or an edge. The pebbling number of  $G$  is denoted by  $\pi(G)$ , is the minimum number of pebbles required to place a pebble on any target vertex regardless of the original configuration of the pebbles. The edge pebbling number of  $G$  is denoted by  $\gamma(G)$ , is the minimum number of pebbles required to place a pebble on any target edge regardless of the original configuration of the pebbles. The cover pebbling number of  $G$ , denoted by  $P_E(G)$  is the minimum number of pebbles required to place a pebble on all the vertices of  $G$ , however might be the initial configuration is. The cover pebbling number of  $G$ , denoted by  $CP_E(G)$  is the minimum number of pebbles required to place a pebble on all the edges of  $G$ , however might be the initial configuration is.

It is proposed to do a research on named graphs.