ABSTRACT

In this dissertation we have discussed about the labeling of the graphs. For this purpose we have discussed the concepts of vertex labeling, edge labeling and total labeling. Moreover, in magic labeling, concepts of edge magic total labeling, vertex magic total labeling are discussed and main focus was on super edge magic total labeling of tree graph.

In the last chapter of this research study we have worked on sunflower-tree graph and formulated the super edge magic total labeling of sunflower –tree. We have further extended this dissertation for disjoint odd number of h-isomorphic copies of sunflower –trees.