

# ABSTRACT

This thesis studies the Oscillatory properties of solutions of the following neutral type difference equations:

1. Unstable type neutral difference equation with nonlinear neutral term.
2. Neutral difference equation with nonlinear neutral term.
3. Neutral difference equation with mixed type.
4. Neutral difference equation with mixed nonlinearities.
5. Neutral difference equation with positive and negative coefficients.

The results presented in the thesis are obtained by using averaging techniques, comparison theorems and fixed point theorems. Examples are provided in the text of the thesis to illustrate the results.