Abstract

The ring theory is one of the important subjects in algebra, and for this important we choose this subject.

The definition of the radical of the ideal with its applications determined in this research.

This research divided into two chapters. In chapter one, we introduce some basic definition of the ring with some properties and next that we devoted some basic facts and theorems about the subring.

In chapter two we introduce the definition of the ideal, the prime ideal and the primary ideal and radical are devoted in this chapter with their propositions, theorems and illustrate that with examples.