

P R E F A C E

The subject matter of this dissertation is divided into five chapters. Chapter-I contains the discussion of X-ray absorption spectra. At the end of this chapter orientation of the present work is given. In Chapter-II, the experimental techniques adapted in the present work are described.* In Chapter-IV, the chemical shift studies and extended X-ray absorption fine structure studies are presented. The work has been summarized and concluded in Chapter V.

The theoretical back-ground as well as the experimental results have been illustrated and explained with appropriate figures and tables.

* The theories of co-ordinate bond are discussed in Chapter-III.