Preface

This thesis entitled “A conductometric investigation of solvation effects on ion association.” incorporates part of the research work done by me during the last few years in the Shyamsundar College, Shyamsundar, Burdwan. In this thesis, I have attempted to study the solvation characteristics of 1-alkyl-4-cyanophridinium iodides in mixed binary aqueous and non-aqueous solvents at different temperatures by conductometric procedure. A chemical model considering the molecular nature of solvent molecules near the ions has been proposed to explain energetic of the formation of ion pairs. I am thankful to all the staff and teachers of the department of chemistry of Shyamsundar College, for their kind cooperation throughout this study. I acknowledge UGC for financial support in continuing the proposed research problem. I also acknowledge the department of Chemistry, BU, Burdwan for providing laboratory and library facility.

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