

CONTENTS

1. ATOMIC STRUCTURE-1	1
2. ATOMIC STRUCTURE-2	23
3. VALENCY	39
4. THE STRUCTURES OF THE ELEMENTS AND THEIR COMPOUNDS	72
5. REACTIONS IN WATER AND IN NON-AQUEOUS SOLVENTS	108
6. CO-ORDINATION CHEMISTRY	133
7. THE DISTRIBUTION AND EXTRACTION OF THE CHEMICAL ELEMENTS	170
8. SOLVENT EXTRACTION AND ION EXCHANGE	186
9. THE COMPARATIVE CHEMISTRY OF THE REPRESENTATIVE ELEMENTS	195
10. THE COMPARATIVE CHEMISTRY OF THE TRANSITION ELEMENTS	247
APPENDIX 1-PHYSICAL MEASUREMENTS IN INORGANIC CHEMISTRY	275
APPENDIX 2-COMPOUNDS OF THE NOBLE GASES	282
INDEX	285