

CONTENTS

No		Pages
	PREFACE	2
1	INTRODUCTION TO GENERAL CHEMICAL TECHNOLOGY	4
1.1	GENERAL QUESTIONS OF CHEMICAL TECHNOLOGY	4
1.2	BASIC REGULARITIES AND METHODS OF CHEMICAL TECHNOLOGY	21
1.3	RAW MATERIALS, WATER, ENERGY IN CHEMICAL INDUSTRY	41
2	MAIN CHEMICAL PRODUCTION	68
2.1	SULFURIC ACID PRODUCTION	68
2.2	TECHNOLOGY OF FIXED NITROGEN	90
2.3	TECHNOLOGY OF SALTS AND FERTILIZERS	106
2.4	PRODUCTION OF PHOSPHORUS AND PHOSPHORIC ACIDS	120
2.5	CATALYSIS IN CHEMICAL PRODUCTION	131
2.6	PRODUCTION OF HYDROCHLORIC ACID, CHLORINE AND ALKALI	145
2.7	PRODUCTION OF SODA PRODUCTS	156
2.8	ALUMINUM PRODUCTION	166
	ANSWERS TO TEST TASKS	175
	GLOSSARY	178
	Literature	224