

**CONTENTS**

	Page
1. JOB OPPORTUNITIES IN THE CONCRETE INDUSTRIES	1
2. GETTING ACQUAINTED WITH CONCRETE	5
3. USES OF CONCRETE	9
4. PORTLAND CEMENT	16
5. MIXING WATER FOR CONCRETE	23
6. AGGREGATES FOR CONCRETE	27
7. AIR-ENTRAINED CONCRETE	33
8. SELECTION AND DESIGN OF CONCRETE MIXTURES	38
9. SAMPLING AND TESTING PLASTIC CONCRETE	51
10. READY-MIXED CONCRETE	57
11. JOB MIXING CONCRETE	63
12. TOOLS FOR PLACING AND FINISHING CONCRETE SLABS	71
13. PLACING CONCRETE	75
14. FINISHING CONCRETE SLABS	81
15. CURING CONCRETE	86
16. JOINTS FOR FLAT CONCRETE WORK	90
17. ESTIMATING CONCRETE FOR A JOB	93
18. REINFORCEMENT FOR CONCRETE	98
19. CONCRETING DURING HOT WEATHER	103
20. CONCRETING IN COLD WEATHER	109
21. CONCRETE TODAY AND TOMORROW	115
INDEX	130