CONTENTS

1	Defining the Accounting Function	1
	Accounting Information Within a Firm Decision Problems and Information Requirements Selection of the Accounting Systems Conclusion	1 2 4 9
	Appendix: Axiomatic Formulation of the Information System Choice Problem	10
	1 COST CLASSIFICATIONS METHODS OF COST ESTIMATION, 17	
2	Cost Classifications	19
	Cost Classification Systems and Organizational Structures Controllable and Noncontrollable Costs Analysis by Product Costs for Decision Making Problems in Cost Analysis Revenue Behavior Conclusion Appendix: Accounting for Product Costs Review Problem	20 26 27 29 31 33 34 35 38
3	Cost Estimation	50
	The Engineering Method Analysis of Historical Cost Data Techniques Used to Derive Cost Equations from Past Data Multiple Regression Learning Curves and Cost Behavior	51 53 56 73 81

Cont	ents
------	------

VIII		
	Evaluating Cost Estimates Conclusion	83 88
PART APPRO	2 COST DATA OPRIATE FOR DECISION MODELS, 105	
4	Cost-Volume-Profit Decisions	107
	The Economic Model Profit-Volume Analysis Additional Applications of Cost-Volume-Profit Analysis A Multiproduct, Multiconstraint Model Uncertainty and Cost-Volume-Profit Analysis Conclusion Appendix: Using Matrix Algebra to Solve Linear Programming	108 113 120 126 133 133
5	Problems: The Simplex Method The Investment Decision	134 167
	Incremental Analysis Nondiscounting Approaches to Investment Analysis Theory Versus Practice Conclusion Appendix: Compound Interest: Notes and Tables	167 185 195 197 197
6	Additional Considerations in Capital Investment Analysis	226
	Conditions Leading to Conflicts in Investment Rankings Leasing: A Special Form of Financing Conclusion	226 231 249
7	Inventory Models	265
	Balancing Inventory Costs Accounting Issues Conclusion	266 275 280
PART	3 STANDARDS AND CONTROL, 289	
8	Management Control Systems	291
	Decision Control and Operational Control Relationship Retwoon Operational Decision 1 Control	291

Decision Control and Operational Control291Relationship Between Organizational Design and Control Systems292Characteristics of Formal Control Systems294Properties of Performance Indicators295Behavioral Science and Management Control299

	Setting Performance Indicators (Standards) The Feedback Process Management Audits Conclusion	307 314 316 318
9	The Use of Standards and Budgets in Organizational Control	329
	Responsibility Accounting Responsibility Centers and Control of Costs Standards of Performance: Some General Considerations Standards for Different Activities Standards for Manufacturing Overhead Service Department Costs The Measurement of Deviations from Standard Conclusion	330 330 333 336 345 350 352 357
10	The Master Budget	371
	The Master Budget Planning Budgets Summary	373 390 402
11	Comparison of Standards with Actual Performance: Variance Analysis	418
	A Review of the Calculation Variance Analysis in Standard Cost Systems Pure Variance Analysis The Accounting Disposition of Variances Revenue-Cost-Profit Variances Income Statement Variances Conclusion Appendix A: Some Topics in Cost Accounting Appendix B: Mix and Yield Variance	418 420 438 443 444 447 448 449 451
12	Assessing the Significance of Standard Cost Variances	476
	Levels of Significance Measuring Random Variation The Use of Prior Probabilities in Cost Control Related Variances Decision Significance Conclusion	476 480 486 489 493 494
	Appendix: Program Evaluation and Review Technique (PERT)	496

PART 4 SPECIAL PROBLEMS IN ANALYZING RECURRING ACTIVITIES, 515

13	Problems in Performance Measurement: Job Order and Process Cost Systems	517
	Environmental Considerations Job Order Cost Systems Process Cost Systems Conclusion	518 519 525 545
14	Cost Allocations: Joint Products, By-Products, and Service Departments	561
	Joint Products Joint Products and Decision Making Joint Products and Inventory Costing Standards and Joint Products By-Product Accounting Cost Allocation Versus Market Value Recording of Joint Products Service Departments Summary Appendix: Using Matrix Algebra to Allocate Reciprocal Service Department Costs	562 564 570 576 576 578 579 590
15	Direct Costing and Absorption Costing	619
	Nature of the Issue Direct Costing and Internal Reporting Conflicts in Reporting Purposes Direct Costing for External Reporting Conclusion	619 622 627 635 637
16	Decentralization and Transfer Pricing	650
	Limited Decentralization with Internal Transfers Complete Decentralization Accounting Issues Accounting Implications of Transfer Prices Summary—Conditions for Using Alternative Bases for Transfer Pricing Conclusion	651 654 655 664 667 669
	Index	685