SEVENTH EDITION

AUDIMING

An Assertions Approach

DONALD H. TAYLOR

G. WILLIAM GLEZEN

Auditing: An Assertions Approach

DONALD H. TAYLOR, PH.D., C.P.A.

Austin Peay State University, Clarksville

G. WILLIAM GLEZEN, PH.D., C.P.A.

University of Arkansas, Fayetteville



John Wiley & Sons

New York • Chichester • Brisbane • Toronto • Singapore

ACQUISITIONS EDITOR

MARKETING MANAGER

PRODUCTION EDITOR

DESIGNER

MANUFACTURING COORDINATOR

ILLUSTRATION COORDINATOR

Susan Elbe
Karen Allman

Edward Winkleman

Nancy Field

Mark Cirillo

Gene Aiello

This book was set in New Baskerville by Achorn Graphics and printed and bound by Hamilton Printing. The cover was printed by Hamilton Printing.

Recognizing the importance of preserving what has been written, it is a policy of John Wiley & Sons, Inc. to have books of enduring value published in the United States printed on acid-free paper, and we exert our best efforts to that end.

Copyright © 1997, by John Wiley & Sons, Inc.

All rights reserved. Published simultaneously in Canada.

Reproduction or translation of any part of this work beyond that permitted by Sections 107 and 108 of the 1976 United States Copyright Act without the permission of the copyright owner is unlawful. Requests for permission or further information should be addressed to the Permissions Department, John Wiley & Sons, Inc.

Library of Congress Cataloging in Publication Data

```
Taylor, Donald H., 1933–
Auditing: An Assertions Approach / Donald H. Taylor,
G. William Glezen.—7th ed.
p. cm.
Includes index.
ISBN 0-471-13421-X (alk. paper)
1. Auditing. 2. Auditing—Data processing. 3. Samplin (Statistics) I. Glezen, G. William. II. Title.
HF5667.T295 1997
657'.45—dc20
```

96-21083 CIP

Printed in the United States of America

About the Authors

Donald H. Taylor holds the Harper-Bourne Chair of Excellence at Austin Peay State University. He received a B.S. in accounting from Louisiana Tech University and an M.B.A. and Ph.D. from Louisiana State University. He is a CPA.

Professor Taylor has had several years of public accounting experience with national and local CPA firms. During his academic career, he has taught basic and graduate auditing courses at a number of universities. Much of his practical and academic experience is reflected in this text. Professor Taylor is the author of a number of textbooks including *Principles of Accounting*, which was coauthored by John Cerepak and published by Prentice-Hall, Inc. in 1987.

G. William Glezen is the Walter B. Cole Professor of Accounting at the University of Arkansas. A native of Texas, he received a B.B.A. in accounting from Texas A & M University and an M.B.A. and Ph.D. from the University of Arkansas. He is a CPA and a member of a number of professional accounting organizations. He has published articles on auditing topics in several academic and professional journals.

Many of the concepts, examples, and illustrations in this book are the result of Professor Glezen's 17 years of experience in public accounting with Arthur Andersen LLP. During this period, which included seven years as a partner, he participated at all levels in, and supervised, audit engagements of both large and small enterprises in a broad range of industries.

Acknowledgments

We thank the American Institute of Certified Public Acountants for permission to quote or reproduce material from [1] Statements on Auditing Standards, [2] the AICPA *Code of Professional Conduct*, [3] Statements on Standards for Accounting and Review Services, [4] Statements on Quality Control Standards, [5] questions from uniform CPA examinations, [6] tables from the AICPA statistical sampling volumes, and [7] procedural flowcharts from AICPA booklets on internal control.

We are grateful to The Institute of Internal Auditors for permission to reproduce and quote from [1] Standards for the Professional Practice of Internal Auditing, [2] *The Internal Auditor*, and [3] questions from CIA examinations.

We appreciate the Institute of Certified Management Accountants of the Institute of Management Accountants granting permission to use questions and unofficial answers from past CMA examinations.

We thank Ernst & Young LLP for permission to use several of their case studies as discussion and problem material.

Many users of our book have been very helpful in making suggestions to improve the seventh edition. We especially appreciate the comments of Professors Margaret A. Berezewski (Robert Morris College), Gary D. Burkette (East Tennessee State University), William J. Donnelly (San Jose State University), Michele Huff (Golden Gate University), Joseph D. Kaderabek (Baldwin-Wallace College), Hossein Nouri (Trenton State College), and Robert L. Terrell (University of Central Oklahoma).

Finally, we express appreciation to our editors, Susan Elbe, Linda Muriello, and Edward Winkleman for valuable aid in the production of the book.

D.H.T. G.W.G.

Preface

The seventh edition of this book maintains the four traditional strengths of the earlier editions: (1) readability; (2) a balanced approach between concepts and procedures; (3) comprehensive end-of-chapter material; and (4) versatility. We have also updated the book for current auditing standards and appropriate real world examples.

Several features have been added that make this edition more readable and create interesting ways to teach auditing. Many chapters contain examples of value-added auditing that show how auditors can improve the efficiency and effectiveness of their clients' operations. Several cases have been placed in the instructor's manual to shorten the text and still give instructors an opportunity to cover them. The last cases in Chapters 1 through 5 have a continuous theme, allowing the instructor to tie together important concepts in the early part of the course. We have added new and challenging discussion questions from the essay section of recent CPA examinations. We have condensed the book by focusing more sharply on important concepts and eliminating duplicate explanations.

Here is a chapter-by-chapter explanation of the material:

Chapter 1 is an overview of auditing and distinguishes between financial statement, operational, and compliance auditing.

Chapter 2 describes services offered by CPA firms and standards used to perform a financial statement audit. The chapter compares in detail the broad attestation standards and the more narrowly focused auditing standards.

Chapter 3 includes discussions of ethics and the AICPA Code of Professional Conduct, including new interpretations and rulings. This chapter can be covered at the end of the course, although we prefer to cover it at this early point.

Chapter 4 covers the auditor's legal environment and landmark cases that have changed this environment. Several new cases are integrated into the appropriate sections. This chapter can also be covered at the end of the course, although we again prefer to cover it earlier.

Chapter 5 covers errors and fraud in a very focused way. Our users have given us positive feedback on this separate chapter started in the previous edition.

Chapter θ is the first chapter on audit planning and documentation. We have a detailed introduction to management assertions that are highlighted in the remainder of the book.

xiv PREFACE

Chapter 7 introduces materiality and audit risk and contains extensive illustrations of the audit risk model.

Chapter 8 is the third chapter on planning and describes in detail the audit planning process.

Chapters 9 through 12 cover internal control. Chapter 9 introduces two audit strategies for obtaining an understanding of internal control and for testing and evaluating it. We use the new COSO model for describing internal control. Chapter 10 illustrates tests of controls, including the use of nonstatistical and statistical sampling. The sections on sampling can either be covered in depth or omitted. Chapters 11 and 12 cover internal control and substantive tests in a computerized environment. These two chapters can be assigned as a unit.

Chapters 13 through 18 cover substantive testing. Chapter 13 discusses the general nature of evidence gathering and demonstrates how assertions are used to derive audit objectives, which are then used to derive audit procedures. Chapter 14 (which may be omitted by instructors) illustrates nonstatistical and statistical sampling techniques applicable to substantive tests. Chapters 15 through 18 contain extensive discussions of audit procedures for substantive tests, many of which are illustrated with microcomputer-generated working papers. Instructors may wish to condense coverage of these chapters. Some coverage is very desirable because the chapters contain practical material on audit techniques.

Chapters 19 through 21 cover the various audit reporting standards. Instructors may prefer to teach Chapter 19 in summary form because of prior coverage of the standard audit report. Chapter 20 should be studied in depth to acquire knowledge of the various forms of qualifications, disclaimers, and adverse opinions. Chapter 21 contains useful illustrations of review, compilation, and other services that CPAs provide.

Chapter 22 covers operational and compliance auditing. This material can be covered earlier at the instructor's preference.

We have the same type of end-of-chapter material that has been a major strength of our book in the previous six editions. Several cases have been added, some have been modified, and others have been placed either in the test bank or instructor's manual. We now have our best balance of questions and cases.

Review questions can be used to learn the chapter material in the sequence in which the material is written. Objective questions (some written by us and some adapted from CPA, CMA, and CIA examinations) relate chapter material to subject matter covered on professional examinations. Discussion/case questions emphasize the highly subjective nature of auditing. We suggest use of all types of questions; each type has a distinct purpose.

This edition is designed to be used for a one-semester coverage of an undergraduate or graduate auditing course. The book does have the versatility to be used in a number of ways:

- 1. All 22 chapters can be covered if the instructor prefers to teach a broad overview of auditing.
- 2. All 22 chapters can be briefly covered in a first course. Other chapters can then be covered in depth in a second course.
- 3. Chapters 1 through 9, 13, and 19–21 can be covered in a first course. Then, Chapters 10 through 12, 14 through 18, and 22 can be covered in a second course. This option is appropriate if the first course is conceptual and the second course is procedural.

Preface

Several supplements are available to assist the instructor and student. The instructor's manual contains (a) guides for covering the chapters; (b) a list of illustrations in the text; (c) answers to all of the end-of-chapter materials; (d) a set of transparency masters; and (e) discussion/case questions and answers we extracted from earlier editions of the text. The Computerized Test Bank contains many types of test questions for each chapter, including discussion/case questions extracted from earlier editions of the text. The Study Guide includes chapter-by-chapter highlights and a large variety of questions.

We hope you enjoy this edition of the book.

Donald H. Taylor G. William Glezen

Contents

CHAPTER 1	The Audit Function	1
	Why Study Auditing?	2
	Broad Definition of Auditing	2
	The Difference Between Accounting and Auditing	3
	Types of Audits—By Objective	4
	Financial Statement Audit 4	
	Compliance Audit 4	
	Operational Audit 4	
	Comparative Illustration 5	
	Types of Audits—By Auditor Affiliation	5
	External Auditors 5	
	Internal Auditors 6	
	Government Auditors 6	
	Comparative Illustration 6	
	Theoretical Framework of Auditing	7
	Why Financial Statements Are Audited	7
	The Needs of Creditors and Investors 9	
	Stewardship or Agency Theory 9	
	Motivational Theory 10	
	Limitations of an Audit	10
	Integrity of Auditors	11
	Commentary	11
	Appendix: History of Auditing	11
	Primitive Auditing 12	
	Auditing in Ancient Greece and Rome 12	
	Auditing in the Medieval Period 12	
	Auditing During the Industrial Revolution 12	
	Early Auditing in the United States 13	
	Chapter 1 ➤ Glossary of Terms	13
	Chapter 1 ► References	14
	Chapter 1 ► Review Questions	14

	Chapter 1 ➤ Objective Questions	15 15
	Chapter 1 ➤ Discussion/Case Questions	13
	The Public Accounting Profession	
HAPTER 2	and Auditing Standards	19
	Different Career Paths in Accounting	20
	Licensing Requirements to Practice Public Accounting	20
	The CPA Certificate 21	
	Other Licensing Requirements 21	
	The Structure of CPA Firms	22
	Form of Organization of CPA Firms 22	
	Sizes of CPA Firms 22	
	Hierarchy of Personnel in CPA Firms 23	
	Services Provided by CPA Firms	23
	Auditing 23	
	Review 24	
	Tax Services 24 Management Consulting Services 24	
	Management Consulting Services 24 Accounting Services 25	
	Quality Control	25
	System of Quality Control 26	23
	Self-Regulation of the Accounting Profession 27	
	The Audit Report	28
	Management's Responsibilities	29
	Generally Accepted Auditing Standards	29
	The General Standards 31	
	The Standards of Field Work 32	
	The Standards of Reporting 33	
	The Broad Attest Services—Attestation Standards	36
	Historical Background 36	
	The Attestation Standards 36	
	Organizations that Affect the Public Accounting Profession	38
	State Boards of Accounting 39	
	State Societies of Certified Public Accountants 40	
	American Institute of Certified Public Accountants 40 The Securities and Exchange Commission 40	
	The Evolving Practice of Public Accounting	41
	Commission on Auditors' Responsibilities 41	71
	Investigations by the U.S. Congress 41	
	The Treadway Commission 42	
	Chapter 2 ► Glossary of Terms	42
	Chapter 2 ▶ References	44
	Chapter 2 ► Review Questions	44
	Chapter 2 ► Objective Questions	45
	Chapter 2 ▶ Discussion/Case Questions	47

_		
Contents		

xix

CHAPTER 3	The Auditor's Ethical Environment	51
	Ethical Trends in Our Society	52
	General Concepts of Ethics	53
	A General Model for Making Ethical Decisions	53
	Summary of Discussion of Ethical Concepts	54
	The Accounting Profession's Code of Professional Conduct The Principles of Professional Conduct 55 Rules of Professional Conduct 59	54
	International Standards on Auditing—Ethics Integrity, Objectivity, and Independence 74 Confidentiality 74 Professional Competence, Due Care, and Technical Services 74	73
	Summary	74
	Chapter 3 ➤ Glossary of Terms	75
	Chapter 3 ► References	75
	Chapter 3 ➤ Review Questions	76
	Chapter 3 ► Objective Questions	77
	Chapter 3 ➤ Discussion/Case Questions	79
CHAPTER 4	The Auditor's Legal Environment	88
	Introduction The Litigation Explosion 89 The Expectation Gap 89	89
	The Auditor's Liability Under Common Law Standards of Proof—Ordinary Negligence 91 Standards of Proof—Gross Negligence 93 Standards of Proof—Fraud 94 Summary of Standards of Proof and Relationships of Parties 95 Standards of Proof—Breach of Contract 95	90
	The Evolution of Liability for Ordinary Negligence Under Common Law Auditor Responsibilities in the Early Part of the Century 96 An Emerging Class of Third Parties 97 The Ultramares Case—A Reaffirmation of Privity 97 The Extension of Auditor's Liability to Primary Beneficiaries 99 The Extension of Auditor's Liability to Foreseen Parties 99 The Extension of Auditor's Liability to Foreseeable Parties 101 The Narrowing of Auditor's Liability for Ordinary Negligence 101 Present-Day Situation on Auditor's Liability for Ordinary Negligence 102	96
	The Auditor's Liability Under Statutory Law	103
	The Effect of Statutory Law on the Auditor's Liability to Third Parties The Securities Act of 1933—New Securities Offerings 104 The Barchris Construction Corporation Case—An Application of the Securities Act of 1933—106 The Securities Exchange Act of 1934—Continuing Securities Trading 106	104

	Additional Cases that Changed the Auditor's Legal Environment The McKesson & Robbins Case—A Fraud that Changed	109
	Auditing Standards 109 The Continental Vending Case—Criminal Exposure 109	
	The 1136 Tenants' Corporation Case—A Misunderstanding Resulting in Negligence 110	
	The ZZZZ Best Case—A Question of Auditor Disclosure 111 The ESM Government Securities Case—Ethical Behavior of Auditors 111	
	The Present-Day Legal Environment	111
	Responses by Auditors—More Attention and Care 112 Responses by Auditors—The Coalition to Eliminate Abusive Securities Suits 112	
	The Future of Auditor Liability	113
	Prospects for the Future 113 Litigation Guidelines 114	
	Summary	115
	Appendix: Summary of Cases and Their Importance	115
	Chapter 4 ▶ Glossary of Terms	117
	Chapter 4 ▶ References	118
	Chapter 4 ▶ Review Questions	118
	•	119
	Cuapiet 4 > Objective Anestions	
	Chapter 4 ➤ Objective Questions Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility	120
HAPTER 5		
HAPTER 5	Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility—	120
HAPTER 5	Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility— Fraudulent Financial Reporting	128
HAPTER 5	Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129	128 129
HAPTER 5	Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130	128 129
HAPTER 5	Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131	128 129
HAPTER 5	Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134	128 129 129
HAPTER 5	Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting	128 129
HAPTER 5	Chapter 4 ➤ Discussion/Case Questions The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting	128 129 129
HAPTER 5	The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting Definition and Reasons for Fraudulent Financial Reporting 135 Types of Fraudulent Financial Reporting 136 Risk Factors Relating to Fraudulent Financial Reporting 137	128 129 129
HAPTER 5	The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting Definition and Reasons for Fraudulent Financial Reporting 135 Types of Fraudulent Financial Reporting 136 Risk Factors Relating to Fraudulent Financial Reporting 137 Risk Factors Relating to Missappropriation of Assets 138	128 129 129
HAPTER 5	The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting Definition and Reasons for Fraudulent Financial Reporting 135 Types of Fraudulent Financial Reporting 136 Risk Factors Relating to Fraudulent Financial Reporting 137 Risk Factors Relating to Missappropriation of Assets 138 The Auditor's Responsibility for Detecting Fraudulent	128 129 129
HAPTER 5	The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting Definition and Reasons for Fraudulent Financial Reporting 135 Types of Fraudulent Financial Reporting 136 Risk Factors Relating to Fraudulent Financial Reporting 137 Risk Factors Relating to Missappropriation of Assets 138 The Auditor's Responsibility for Detecting Fraudulent Financial Reporting 139	128 129 129
HAPTER 5	The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting Definition and Reasons for Fraudulent Financial Reporting 135 Types of Fraudulent Financial Reporting 136 Risk Factors Relating to Fraudulent Financial Reporting 137 Risk Factors Relating to Missappropriation of Assets 138 The Auditor's Responsibility for Detecting Fraudulent	128 129 129
HAPTER 5	The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting Definition and Reasons for Fraudulent Financial Reporting 135 Types of Fraudulent Financial Reporting 136 Risk Factors Relating to Fraudulent Financial Reporting 137 Risk Factors Relating to Missappropriation of Assets 138 The Auditor's Responsibility for Detecting Fraudulent Financial Reporting 139 Illegal Acts	128 129 129
HAPTER 5	The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting Definition and Reasons for Fraudulent Financial Reporting 135 Types of Fraudulent Financial Reporting 136 Risk Factors Relating to Fraudulent Financial Reporting 137 Risk Factors Relating to Missappropriation of Assets 138 The Auditor's Responsibility for Detecting Fraudulent Financial Reporting 139 Illegal Acts Responsibility for Detection 141 Responsibility for Reporting 142 A Summary of the Auditor's Detection and Reporting Responsibilities 143	128 129 129
HAPTER 5	The Auditor's Responsibility— Fraudulent Financial Reporting Introduction Errors and Fraud in the Financial Statements Definition of Errors 129 Definition of Fraud 130 The Auditor's Responsibility to Detect Errors and Fraud 131 The Auditor's Responsibility if Errors and Fraud Are Detected 134 Fraudulent Financial Reporting Definition and Reasons for Fraudulent Financial Reporting 135 Types of Fraudulent Financial Reporting 136 Risk Factors Relating to Fraudulent Financial Reporting 137 Risk Factors Relating to Missappropriation of Assets 138 The Auditor's Responsibility for Detecting Fraudulent Financial Reporting 139 Illegal Acts Responsibility for Detection 141 Responsibility for Reporting 142	128 129 129

	Contents	xxi
	Chapter 5 ▶ Review Questions	144
	Chapter 5 ▶ Objective Questions	144
	Chapter 5 ► Discussion/Case Questions	146
CHAPTER 6 A	Audit Objectives and Audit Documentation	151
	Overall Audit Objective	151
	Assertions for Account Balances and Disclosures	152
	Other Audit Assertions	154
	Derivation of Audit Procedures from Audit Objectives	154
	Audit Procedures for Control Risk Assessment and Substantive Tests Control Risk Assessment Procedures 156 Tests of Details of Transactions and Balances 156 Analytical Procedures 156 Tests with Dual Purposes 157	155
	Audit Documentation Definition and Purposes of Working Papers 157 Ownership of Working Papers 158 Importance of Working Papers 158 Types of Working Papers 159 Form and Indexing 163 Client Assistance 169 Security of Working Papers 169	157
	International Standards on Auditing	170
	Chapter 6 ► Glossary of Terms	170
	Chapter 6 ► References	170
	Chapter 6 ► Review Questions	171
	Chapter 6 ➤ Objective Questions	171
	Chapter 6 ➤ Discussion/Case Questions	173
CHAPTER 7	Basic Auditing Concepts	177
	The Sections of an Audit The Audit Is Planned 178 The Internal Control Is Studied and Tested 178 Substantive Tests Are Performed 178 The Audit Report Is Issued 179	177
	An Explanation of Assurances Provided by Auditors Assurances Provided by the Auditor 179 Summary of Assurances Provided by the Auditor 181	179
	The Use of Materiality in Planning and Performing an Audit Materiality Considerations 183 Preliminary Estimates of Materiality in Planning 184 Use of Materiality in Evaluating Audit Evidence 186	182

	The Use of Audit Risk in Planning an Audit The Overall Planned Audit Risk 187 Assertions in Financial Statements 188 Setting Detection Risk for Each Assertion 190 Suppressed Audit Risk for Planning the Audit 104	187
	Summary of Audit Risk for Planning the Audit 194 The Use of Audit Risk in Evaluating Evidence	194
	Chapter 7 ➤ Glossary of Terms	196
	Chapter 7 ► References	196
	Chapter 7 ► Review Questions	197
	Chapter 7 ► Objective Questions	197
	Chapter 7 ► Discussion/Case Questions	200
:HAPTER 8 P	lanning the Audit	200
MAPIER O I	lanning the Audit	208
	Acceptance of Clients Audit Committees 210 Preacceptance Procedures 211 Continuation of Existing Clients 213	208
	Engagement Letters 213	
	The Planning Process Inherent Risk 215 Anticipated Reliance on Internal Control 217 Preliminary Judgment about Materiality 217 Potential Problem Areas 218 Type of Report to Be Issued 219	215
	Sources of Planning Information General Sources 219 Analytical Procedures 220	219
	Development of an Audit Strategy	221
	The Audit Program	222
	Use of the Audit Risk Model in Planning	223
	Scheduling the Audit Work The Economics of Public Accounting 225 Segments of an Audit 225	224
	Planning the First-Time Audit	227
	International Standards on Auditing	228
	Appendix: Illustration of the Property and Equipment and Accumulated Depreciation Section of an Audit Program	228
	Chapter 8 ► Glossary of Terms	232
	Chapter 8 ► References	232
	Chapter 8 ► Review Questions	232
	Chapter 8 ► Objective Questions	233
	Chapter 8 ▶ Discussion/Case Questions	235

Contents	xxiii
Contents	XXIII

CHAPTER 9	Internal Control— Obtaining an Understanding	243
	General Discussion	244
	The Role of Tests of Controls 245	
	Discussion of Internal Control	245
	Components of Internal Control 245	
	Limitations of Internal Control 249	
	Obtaining an Understanding of Internal Control—General Discussion	249
	The Level of Understanding 249	
	Procedures to Obtain an Understanding 250	051
	Documenting the Understanding of Internal Control	251
	Flowcharts 252	
	Internal Control Questionnaires 253	051
	The Audit Strategy The Primarily Substantive Approach—Flowchart 256	255
	The Primarily Substantive Approach—Discussion 256	
	The Lower Control Risk Approach—Flowchart 258	
	The Lower Control Risk Approach—Discussion 258	
	Comparison of the Two Audit Strategies	259
	An Illustration of Accounts Receivable Assertions	260
	Value-Added Considerations When Obtaining an Understanding of Internal Control	260
		260
	Appendix: The Relationship Among Transaction Cycles, Controls, and Assertions	
	Chapter 9 ➤ Glossary of Terms	265
	Chapter 9 ➤ References	260
	Chapter 9 ► Review Questions	266
	Chapter 9 ► Objective Questions	267
	Chapter 9 ► Discussion/Case Questions	268
	Internal Control—Testing, Assessing	
CHAPTER 10	Control Risk, and Designing Substantive Tests	282
AND THE PROPERTY OF THE PROPER	The Purpose of Tests of Controls	283
	Procedures for Performing Tests of Controls	283
	Inquiry of Appropriate Company Personnel 283	20.
	Inspection of Documents 284	
	Observation of the Application of the Policy or Procedure 284	
	Reperformance of the Policy or Procedure 284	
	Timing of Tests of Controls	28
	The Use of Sampling to Perform Tests of Controls	28
	Identification—Tests of Controls on Which Sampling Can Be Used 286	
	Definition—The Definition of a Deviation from an Internal	
	Control Procedure 287	

Definition—Definition of the Population 288 Selection—Methods of Selecting the Sample 289 Determination—Determining the Sample Size 290	
Determination—Determining the Sample Size 290 Performance—Performing the Sampling Plan 291 Evaluation—Evaluating the Sample Results 292	
Nonstatistical and Statistical Sampling	293
The Assessment of Control Risk The Assessed Level of Control Risk 293 Documentation of the Assessed Level of Control Risk 294 Assessing Control Risk by Assertion 295	293
Evaluating the Level of Planned Substantive Tests	295
Communicating Internal Control Related Matters Noted in the Audit Examples of Reportable Conditions 297 Communicating Reportable Conditions 297 Material Weaknesses 297	296
Engagements to Report on Internal Control	298
Appendix A: Example of a Test of Controls—Nonstatistical Sampling	298
Appendix B: Example of a Test of Controls—Statistical Sampling—Estimation	
Sampling for Attributes	301
Chapter 10 ➤ Glossary of Terms	307
Chapter 10 ➤ References	308
Chapter 10 ► Review Questions	308
al . 10 Ali A	
Chapter 10 ➤ Objective Questions Chapter 10 ➤ Discussion/Case Questions	308 310
 •	
 Chapter 10 > Discussion/Case Questions Otaining an Understanding of Internal Control a Computer Environment	310 321
 Chapter 10 > Discussion/Case Questions Ptaining an Understanding of Internal Control a Computer Environment Internal Control	310
 Chapter 10 > Discussion/Case Questions Otaining an Understanding of Internal Control a Computer Environment	310 321
 Chapter 10 ➤ Discussion/Case Questions Otaining an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324	310 321
 Chapter 10 ➤ Discussion/Case Questions Ptaining an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324 Obtaining an Understanding of the Computer System 328	310 321 322
 Chapter 10 ➤ Discussion/Case Questions Pataining an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324 Obtaining an Understanding of the Computer System 328 Computer Control Procedures	310 321
 Chapter 10 ➤ Discussion/Case Questions Ptaining an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324 Obtaining an Understanding of the Computer System 328	310 321 322
 Chapter 10 ➤ Discussion/Case Questions Otaining an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324 Obtaining an Understanding of the Computer System 328 Computer Control Procedures Organization and Operation Controls 329 Systems Development and Documentation Controls 332 Access Controls 333 Data and Procedural Controls 333 Commentary on General Controls 334	310 321 322
 Chapter 10 ➤ Discussion/Case Questions Otaining an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324 Obtaining an Understanding of the Computer System 328 Computer Control Procedures Organization and Operation Controls 329 Systems Development and Documentation Controls 332 Access Controls 333 Data and Procedural Controls 333 Commentary on General Controls 334 Input, Processing, and Output Controls 334	321 322 328
 Chapter 10 ➤ Discussion/Case Questions Otaining an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324 Obtaining an Understanding of the Computer System 328 Computer Control Procedures Organization and Operation Controls 329 Systems Development and Documentation Controls 332 Access Controls 333 Data and Procedural Controls 333 Commentary on General Controls 334 Input, Processing, and Output Controls 334 Appropriate Controls for an Online System	321 322 328
 Chapter 10 ➤ Discussion/Case Questions Internal an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324 Obtaining an Understanding of the Computer System 328 Computer Control Procedures Organization and Operation Controls 329 Systems Development and Documentation Controls 332 Access Controls 333 Data and Procedural Controls 333 Commentary on General Controls 334 Input, Processing, and Output Controls 334 Appropriate Controls for an Online System Control Considerations in Minicomputer and Microcomputer Systems	321 322 328 337 337
 Chapter 10 ➤ Discussion/Case Questions Otaining an Understanding of Internal Control a Computer Environment Internal Control Different Approach in a Computer System 322 Control Environment 323 Methods of Processing Transactions 324 Obtaining an Understanding of the Computer System 328 Computer Control Procedures Organization and Operation Controls 329 Systems Development and Documentation Controls 332 Access Controls 333 Data and Procedural Controls 333 Commentary on General Controls 334 Input, Processing, and Output Controls 334 Appropriate Controls for an Online System	321 322 328

	Contents	xxv
	Chapter 11 ► Glossary of Terms	341
	Chapter 11 ► References	342
	Chapter 11 ► Review Questions	342
	Chapter 11 ► Objective Questions	342
	Chapter 11 ► Discussion/Case Questions	345
	Testing Controls and Gathering Evidence	
CHAPTER 12	in a Computer Environment	353
	Tests of Controls that Do Not Require Use of the Computer	354
	Illustration of Tests of Controls 354	
	Discussion of Tests of Controls 354	
	Tests of Controls that Require Use of the Computer Test Data. 357	357
	Integrated Test Facility 360	
	Online Audit Monitor 360	
	Parallel Simulation 362	
	Assessment of Control Risk	362
	Definition of Computer-Assisted Audit Programs	363
	Detailed Functions of Computer-Assisted Audit Programs	363
	Description of Computer-Assisted Audit Programs	365
	Audit Objectives and Computer Capabilities	366
	The Use of Microcomputers to Gather and Document Audit Evidence	367
	Microcomputer Systems in Audit Engagements	368
	Critique of Computer-Assisted Audit Programs	369
	The Auditors' Computer Proficiency 369 Fraud Detection 369	
	Expert Systems	370
	Chapter 12 ► Glossary of Terms	370
	Chapter 12 ▶ References	370
	Chapter 12 ► Review Questions	370
	Chapter 12 ▶ Objective Questions	371
	Chapter 12 ➤ Discussion/Case Questions	373
CHAPTER 13	Evidence of Financial Statement Assertions	378
	The Philosophy of Evidence Gathering	379
	The Third Standard of Fieldwork 379	
	Guidelines for Evidence Gathering 379 The Compating of Audit Friday 380	
	The Competency of Audit Evidence 380 The Sufficiency of Audit Evidence 381	
	The Sufficiency of Avail Evidence 381 The Evaluation of Evidence 383	