

ebookbig.com

or scan the QR code to access the digital study portal.

d ElGhazouly, DBA, CISA, CISM, CRISC, ACP, PBA, PMP, RMP,

AF, PGESCo, Egypt

o Ermini, PhD, CISA, CISM, CISSP, ITILv3, GCIH, RCSS, Germany Shigeto Fukuda, CIS C, Japan

a Ganti, CISA, CISM, Allergan Pharma, USA

med Gohar, CISA, CISM, CRISC, CGEIT, CEH, CISSP, CLPTP,

IT 5, ISO 21500 LPM, ISO/IEC 20000 LI, ISO/IEC 24762 IT DRM,

EC 27001 LA/LI, ISO/IEC 27005 LRM, ISO/IEC 27032 LCM,

EC 27034 App Sec LI, ISO/IEC 38500 IT CGM, ITIL

itioner/Expert, PMP, Resilia Practitioner, SSGB, TOGAF

itioner, Egypt

i Shrikant Kulkarni, CISA, CRISC, CCSK, CISSP, ITIL V3 Expert, Interpublic Group, UK

ishna Kumar, CISA, CISM, CGEIT, India

n Mojuetan, CISA, CRISC, Vocalink, UK

Carlos Morales, CISA, CISM, CGEIT, CRISC, Guatemala

sh Nathani, CISA, PMP, Deloitte, Canada

Ogunkola, CISA, CRISC, ACA, CFE, CFSA, EY, UK

u Oladimeji, CISA, CISM, CRISC, Moshood Abiola Polytechnic, Nigeria

emi Onifade, CISA, CISM, CGEIT, BRMP, CCSP, CISSP, ISO

1LA, PCI-QSA, Afenoid Enterprise Limited, Nigeria

Oyewole, CISA, CISM, CRISC, CCSP, CISSP, PMP, Indigo Books &

c, Canada

rt Prince, CISA, CISSP, Sempra Energy, USA

d Qureshi, CISA, CGA, CIA (USA), CPA, FCCA (UK), FCMA, FCIS, FCSM, Canada

rishna Rao, CISA, UK

Riahi, CISA, CGEIT, CIA, CPA, Audit Risk Consulting, Tunisia Anamika Roy, CISA, CA, BDO USA LLP, USA

us Schiemer, CISA, CGEIT, CRISC, Microsoft, Austria

U. Shukla, Ph.D., CISA, Anand Agricultural University, India Vivek Silla, CISA, CISM, C CHFI, CICA, CIPM, CISSP, ISO

1 Lead Auditor, ITIL Foundation, SCF, The Saudi Investment Bank, Saudi Arabia

ani Suresh, CISA, CISM, CGEIT, COBIT Certified Assessor, Nbiz Infosol, UAE

in Szenes, CISA, CISM, CGEIT, CISSP, Obuda University, Hungary Vikrant V. Tanksale, CI

Trung Thanh, CISA, CISM, CGEIT, Vietnam

E. Wescott, CISA, CCP, CIA (ret.), CUERME, Wescott and Associates, USA

etheus Yang, CISA, CISM, CRISC, Taiwan

A has begun planning the next edition of the *CISA® Review Manual*.

teer participation drives the success of the manual. If you are interested in becoming a mem select group of professionals involved in this global project, please visit engage.isaca.or

ous CISA Job Practice	New CISA Job Practice
ain 1: The Process of Auditing Information Systems (21%)	Domain 1: Information System Auditing Process (21%)
ain 2: Governance and Management of IT (16%)	Domain 2: Governance and Management of IT (17%)
ain 3: Information Systems Acquisition, Development and Implementation (18%)	Domain 3: Information Systems Acquisition, Development and Implementation (12%)
ain 4: Information Systems Operations, Maintenance and Service Management (20%)	Domain 4: Information Systems Operations and Business Resilience (23%)
ain 5: Protection of Information Assets (25%)	Domain 5: Protection of Information Assets (27%)

CISA Job Practice

ning in 2019, the Certified Information Systems Auditor (CISA) exam tests the new CISA j ice.

rimary focus of the job practice is on the current tasks performed and the knowledge used b
s. By gathering evidence of the current work practice of CISAs, ISACA ensures that the CI
am continues to meet the high standards for the certification of professionals throughout the
.

indings of the CISA job practice analysis are carefully considered and directly influence th
opment of new test specifications to ensure that the CISA exam reflects the most current be
ices.

ew job practice reflects the areas of study to be tested and is compared below to the previ
ractice. The complete CISA job practice is available at *www.isaca.org/cisajobpractice*.

of Contents

t This Manual

view

at of This Manual

aring for the CISA Exam

g Started

the CISA Review Manual

al Features

the CISA Review Manual and Other ISACA Resources

t the CISA Review Questions, Answers and Explanations

cts

ter 1:

mation System Auditing Process

view

in 1 Exam Content Outline

assessment Questions

ers to Self-assessment Questions

A: Planning

troduction

Audit Standards, Guidelines and Codes of Ethics

ISACA IS Audit and Assurance Standards

ISACA IS Audit and Assurance Guidelines

ISACA Code of Professional Ethics

ITAF™

usiness Processes

IS Internal Audit Function

Charter

Management of the IS Audit Function

dit Resource Management

Audit Planning

idual Audit Assignments

Effect of Laws and Regulations on IS Audit Planning

Business Process Applications and Controls

merce

ronic Data Interchange

l

-of-sale Systems

ated Teller Machine

ronic Finance

ated Manufacturing Systems

ctive Voice Response

ase Accounting System

Processing

trial Control Systems

cial Intelligence and Expert Systems

ly Chain Management

mer Relationship Management

Using the Services of Other Auditors and Experts

ypes of Controls

Control Objectives and Control Measures

ntrol Objectives

Evaluation of the Control Environment

General Controls

IS-specific Controls

isk-based Audit Planning

Audit Risk and Materiality

Risk Assessment

IS Audit Risk Assessment Techniques

Risk Analysis

udit Project Management

Audit Objectives

Audit Phases

Audit Programs

um Skills to Develop an Audit Program

Audit Work Papers

Fraud, Irregularities and Illegal Acts

ampling Methodology

Compliance Versus Substantive Testing

Sampling

ling Risk

udit Evidence Collection Techniques

Interviewing and Observing Personnel in Performance of Their Duties

ata Analytics

Computer-assisted Audit Techniques

Ts as a Continuous Online Audit Approach

Continuous Auditing and Monitoring

Continuous Auditing Techniques

Reporting and Communication Techniques

1 Communicating Audit Results

2 Audit Report Objectives

3 Audit Report Structure and Contents

6 Types of IS Audit Reports

Quality Assurance and Improvement of the Audit Process

Control Self-assessment

tives of CSA

fits of CSA

vantages of CSA

S Auditor's Role in CSA

Integrated Auditing

Study

ers to Case Study Questions

ter 2:

rnance and Management of IT

view

in 2 Exam Content Outline

ning Objectives/Task Statements

ested Resources for Further Study

assessment Questions

ers to Self-assessment Questions

A: IT Governance

troduction

Governance and IT Strategy

Enterprise Governance of Information and Technology

Information Security Governance

tive Information Security Governance

Information Systems Strategy

Strategic Planning

Business Intelligence

Governance

-related Frameworks

Standards, Policies and Procedures

Standards

Policies

ation Security Policy

w of the Information Security Policy

Procedures

Guidelines

rganizational Structure

IT Governing Committees

Roles and Responsibilities of Senior Management and Boards of Directors

of Directors

r Management

ation Security Standards Committee

Information Security Officer

ering Committee

les and Responsibilities

Segregation of Duties Within IT

gation-of-duties Controls

Auditing IT Governance Structure and Implementation

wing Documentation

nterprise Architecture

nterprise Risk Management

Developing a Risk Management Program

Risk Management Process

1: Asset Identification

2: Evaluation of Threats and Vulnerabilities to Assets

3: Evaluation of the Impact

4: Calculation of Risk

5: Evaluation of and Response to Risk

Risk Analysis Methods

tative Analysis Methods

quantitative Analysis Methods

titative Analysis Methods

aturity Models

Capability Maturity Model Integration

Initiating, Diagnosing, Establishing, Acting and Learning

AL) Model