BDO ACADEMY

PROGRAM
CISA certification

Introduction

1. General information about the exam
2. Certification procedure

Section 1. Information systems audit process

1. Planning
   - 1.1 IP audit standards, guidelines and codes of ethics
   - 1.2 Business processes
   - 1.3 Types of controls
   - 1.4 Risk-oriented audit planning
   - 1.5 Types of audits and evaluations
2. Implementation
   - 2.1 Audit project management
   - 2.2 Sampling technique
   - 2.3Methods of collecting audit evidence
   - 2.4Data analysis
   - 2.5 Reporting and communication methods
   - 2.6 Quality assurance and improvement of the audit process

Section 2. Corporate and operational management of IT

1. Corporate IT management
   - 1.1. IT management and IT strategy
   - 1.2 IT-related frameworks
   - 1.3 IT standards, policies and procedures
   - 1.4 Organizational structure
   - 1.5 Enterprise architecture
   - 1.6 Risk management at the enterprise
   - 1.7 Maturity models
   - 1.8 Laws, regulations and industry standards that affect the organization
2. Operational IT management
   - 2.1 IT resources management
   - 2.2 Involvement and management of IT service providers
   - 2.3 Monitoring and reporting of IT work
   - 2.4 IT quality assurance and quality management

Section 3. Acquisition, development and implementation of information systems

1. Acquisition and development of information systems
   - 1.1 Strategic and operational project management
   - 1.2 Business analysis and feasibility assessment
   - 1.3 System development methodologies
   - 1.4 Identification and control design
2. Implementation of information systems
   - 2.1 Testing methodologies
   - 2.2 Configuration and release management
   - 2.3 Systems migration, infrastructure deployment and data transformation
3. Review after implementation

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Section 4. IT operation, maintenance and support

1.Operation of information systems
- 1.1 Computer hardware components and architectures
- 1.2 IT asset management
- 1.3 System interfaces
- 1.4 Calculations for end users
- 1.5 Data management
- 1.6 Systems performance management
- 1.7 Problem and incident management
- 1.8 Management of changes, configurations, releases and patch
- 1.9 IT service level management
- 1.10 Database management

2. Business sustainability
- 2.1 Business Impact Analysis (BIA)
- 2.2 Systems stability
- 2.3 Data backup, storage and recovery
- 2.4 Business Continuity Plan (BCP)
- 2.5 Disaster Recovery Plans (DRP)

Section S. Protection of information assets

1. Protection and control of information assets
- 1.1 Introduction
- 1.2 Frameworks, standards and guidelines for the protection of information assets
- 1.3 Confidentiality
- 1.4 Physical access and environmental control
- 1.5 Identification and access management
- 1.6 Network and endpoint security
- 1.7 Data classification
- 1.8 Data encryption and encryption methods
- 1.9 Public Key Infrastructure (PKI)
- 1.10 Internet communication technologies
- 1.11 Virtualized environments
- 1.12 Mobile, wireless and Internet of Things (IOT) devices

2. Security event management
- 2.1 Safety awareness training and programs
- 2.2 Methods of attacking the information system
- 2.3 Security testing tools and methods
- 2.4 Means and methods of security monitoring
- 2.5 Incident Response Management
- 2.6 Collection of evidence and forensics

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1. Exam structure
2. Detailed analysis of answers to questions.