

I will help students:

- ⇒ For preparing CISSP Certification Exam, provide exam notes, Practice exams which will include a series of practice exam questions from each domain.
- ⇒ E-mail or WhatsApp support for 2 months
- ⇒ Interactive Question & Answer sessions and comprehensive reading material
- ⇒ Complementary 10 Hrs. class on ISO 27001 Implementation

Domain-1: Security and Risk Management

Following topics will be covered from this domain:

- Security terminology and principles
- Protection control types
- Security frameworks, models, standards, and best practices
- Computer laws and crimes
- Intellectual property
- Data breaches
- Risk management
- Threat modeling
- Business continuity and disaster recovery
- Personnel security
- Security governance

Domain-2: Asset Security

Following topics will be covered from this domain:

- Information life cycle
- Information classification and protection
- Information ownership
- Protection of privacy
- Information retention
- Data security controls
- Data handling requirements

Domain-3: Security Engineering

Following topics will be covered from this domain:

- System architecture
- Trusted computing base and security mechanisms
- Information security software models
- Assurance evaluation criteria and ratings
- Certification and accreditation processes
- Distributed systems security
- Cryptography components and their relationships
- Steganography
- Public key infrastructure (PKI)
- Site and facility design considerations
- Physical security risks, threats, and countermeasures
- Electric power issues and countermeasures
- Fire prevention, detection, and suppression

Domain-4: Communication and Network Security

Following topics will be covered from this domain:

- OSI and TCP/IP models
- Protocol types and security issues
- LAN, WAN, MAN, intranet, and extranet technologies
- Cable types and data transmission types
- Network devices and services
- Communications security management
- Telecommunications devices and technologies
- Remote connectivity technologies
- Wireless technologies
- Network encryption
- Threats and attacks
- Software-defined routing
- Content distribution networks
- Multilayer protocols
- Convergent network technologies

Domain-5: Identity and Access Management

Following topics will be covered from this domain:

- Identification methods and technologies
- Authentication methods, models, and technologies
- Discretionary, mandatory, and nondiscretionary models
- Accountability, monitoring, and auditing practices
- Registration and proof of identity
- Identity as a service
- Threats to access control practices and technologies

Domain-6: Security Assessment and Testing

Following topics will be covered from this domain:

- Internal and third-party audits
- Vulnerability testing
- Penetration testing
- Log reviews
- Synthetic transactions
- Code reviews
- Misuse case testing
- Interface testing
- Account management
- Backup data verification
- Disaster recovery and business continuity testing
- Security training and security awareness
- Key performance and risk indicators
- Reporting
- Management review

Domain-7: Security Operations

Following topics will be covered from this domain:

- Operations department responsibilities
- Administrative management responsibilities
- Assurance levels
- Configuration management
- Physical security
- Secure resource provisioning
- Network and resource availability
- Preventative measures
- Patch management
- Incident management
- Recovery strategies
- Disaster recovery
- Business continuity planning and exercises
- Liability
- Investigations
- Personal safety concerns

Domain-8: Software Development Security

Following topics will be covered from this domain:

- Common software development issues
- Software development life cycles
- Secure software development approaches
- Development/operations integration (DevOps)
- Change control and configuration management
- Security of code repositories
- Programming language types
- Database concepts and security issues
- Malware types and attacks

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