

Suggested Teaching Guideline for
Compliance Audit PG-DITISS September 2022

Duration: 30 Classroom Hrs

Objective: To introduce the student to Concepts of Security Compliance audit.

Evaluation Method: Theory exam – 100% weightage

List of Books / Other training material

Books:

IT Auditing: Using Controls to protect Information Assets, Chris Davis/TMH

Reference Books: IT Audit, Control, and Security Robert R. Moeller

Session 1 & 2:

- Introduction
- What Cyber security Challenges do Organizations Face?
- Compliance Basics
- Types of Security Audit
- Audit Decision Factors
- Security Audit Phases
- Requirements of Internal Audit Team
- Principal of Audits
- Auditor personal abilities

Session 3:

- Security Evaluation
- How is Evaluation Done?
- Evaluation phases
- Assurance – 7 evaluation levels
- Evaluation Methodology

Session 4:

- National Institute of Standards and Technology (NIST) Overview
- Components of Framework
- Use the Framework?

Session 5:

- General Data Protection Regulation (GDPR) Overview
- Types of privacy data does the GDPR protect?
- Key Steps to Ensure GDPR Compliance

Session 6 & 7:

- International Organization for Standardization (ISO) 2700x
- How the standard works
- History of ISO/IEC 27001
- ISO/IEC 27001:2005 domains
- Structure of Standards

Session 8:

- SOx Reports
- SOC Reports - Auditor Process Overview
- SOX COMPLIANCE AND SECURITY CONTROLS

Session 9:

- COBIT framework
- Cobit Components
- difference between Cobit and ITIL?

Session 10:

- Health Insurance Portability and Accountability Act (HIPAA)
- HIPAA regulations
- HIPPA Titles
- HIPAA Rules?

Session 11:

- Payment Card Industry Data Security Standard (PCI DSS)
- History of PCI-DSS
- Different Levels of PCI

Session 12:

- Centre for Internet Security (CIS) Critical Security Controls
- CIS Compliance
- CIS Controls
- CIS Benchmarks

Session 13:

- SSE-CMM Project
- History & the Need
- SSE-CMM Overview
- Using the SSE-CMM
- SSE-CMM Pilots

Session 14 & 15

- Case Studies
- Internal Audit Solution for a Global Bank
- Compliance Audit of Anti-Corruption Regulations
- Can choose as per syllabus