

# **Information Security Auditors Module (Part-1)**

## **CURRICULUM**

### **1. Regulatory, Legal and Compliance issues in Information Security for Financial Markets**

#### **A) Basic provisions of (20 Marks)**

- a) Securities Contracts (Regulation) Act
- b) Securities and Exchange Board of India Act, 1992
- c) Depositories Act, 1996
- d) Rules and Regulations of SEBI
- e) Rules, Regulations and Byelaws of NSEIL
- f) Rules, Regulations and Byelaws of NSCCL

#### **B) Basic provisions of (25 marks)**

- a) IT ACT
- b) Indian Copyright Act
- c) SEBI Act and its regulations pertaining to Information Security
- d) RBI regulations for Information Security

### **2. Business Continuity Planning (25 Marks)**

- a) Understanding Business Impact Analysis
- b) Various terms associated with business impact analysis
- c) Types of Continuity Plans
- d) Testing of Continuity Plans

### **3. Access Control (30 Marks)**

- a) Methodologies of Access Control
- b) Mandatory Access Control
- c) Discretionary Access Control
- d) Usage of logical and physical access controls and their importance
- e) Functionality of popular access control devices

# **Information Security Auditors Module (Part-2)**

## **CURRICULUM**

### **4. Application Security (15 Marks)**

- a) Security in Databases
- b) Basic concepts of security in Client Server Architecture
- c) Basic concepts of Web applications Security

### **5. Communications and Operations Management (15 Marks)**

- a) Data Centre Administration
- b) Concepts of Security in Network Architecture
- c) Basics of communication protocols used for Information Security

### **6. Physical and Environmental Security (30 Marks)**

- a) Controls for Physical Security
- b) Administrative Controls
- c) Physical and Technical Controls
- d) Threats and facility requirements
- e) Tokens and Biometric devices
- f) Microcomputer Physical Security

### **7. Security Management Practices (40 Marks)**

- a) Standards, guidelines and procedures
- b) Principles of risk management
- c) Quantitative and
- d) Qualitative techniques
- e) Basic Concepts of ISO 27001