INFORMATION SECURITY ASSURANCE: FRAMEWORK, STANDARDS & INDUSTRY BEST PRACTICES
MCS-601

BLOCK I

Unit 1: Interrelationship between Regulation, policies, standard procedures and guidelines, Standards for Information Security: ISO standards- ISO/IEC 27002:2005 (Code of Practice for Information Security Management), ISO/IEC 27001:2005 (Information Security Management System - Requirements),

Unit II: Regulations related to Information Security- SOX, GLBA, COSO, HIPPA, FISMA, FIPS, FFIEC, common elements of compliance, Security controls, common pitfalls of a effective Information Security program.

Unit III: ISO/IEC 15408 (Evaluation Criteria for IT Security), ISO/IEC 13335 (IT Security Management); Payment Card Industry data security standards, COBIT, ITIL (OR ISO/IEC 20000 SERIES)

Unit IV: Introduction to industry best practices including NIST, SANS ,OWASP

BLOCK II

Unit I: Overviews of ISO-27K.

Unit II: ISO 27001

Unit III: ISO-27002

Unit IV: Other standards, guidelines, ISO- 27005

BLOCK III

Unit I: Security auditing

Unit II: Information security

Unit III: Disaster recovery

Unit IV: Business continuity planning and management