



Certified Information
Systems Security Professional

CISSP® Training

Slide Book



TABLE OF CONTENT

INTRODUCTIONS	5
INTRODUCTIONS	6
CISSP EXAM	10
CISSP CURRICULUM	15
DOMAIN 1: SECURITY AND RISK MANAGEMENT	21
SECURITY GOVERNANCE	21
PERSONNEL SECURITY AND RISK MANAGEMENT	38
BUSINESS CONTINUITY PLANNING	58
LAWS, REGULATIONS, AND COMPLIANCE	73
DOMAIN 2: ASSET SECURITY	89
CLASSIFYING AND LABELING ASSETS	89
IDENTIFYING DATA ROLES	97
PROTECTING PRIVACY	101
DOMAIN 3: SECURITY ENGINEERING	107
CRYPTOGRAPHY	107
PKI AND CRYPTOGRAPHIC APPLICATIONS	129
PRINCIPLES OF SECURITY MODELS, DESIGN AND CAPABILITIES	141
SECURITY VULNERABILITIES, THREATS, AND COUNTERMEASURES	152
PHYSICAL SECURITY REQUIREMENTS	164
DOMAIN 4: COMMUNICATION AND NETWORK SECURITY	189
OSI REFERENCE MODEL	189
TCP/IP MODEL	191
NETWORKING FOUNDATIONS	194
TYPES OF TRANSMISSION	203
NETWORKING DEVICES	208
WAN	218
WIRELESS TECHNOLOGIES	231
DOMAIN 5: IDENTITY AND ACCESS MANAGEMENT	245
CONTROL ACCESS TO ASSETS	245
COMPARE IDENTIFICATION AND AUTHENTICATION	247
IMPLEMENTING IDENTITY MANAGEMENT	256
IDENTITY AND ACCESS PROVISIONING LIFECYCLE	262
COMPARE ACCESS CONTROL MODELS	263
UNDERSTANDING ACCESS CONTROL ATTACKS	266
DOMAIN 6: SECURITY ASSESSMENT AND TESTING	271
ASSESSMENT AND TEST PROGRAMS	271
SECURITY CONTROL TESTING	273
COLLECT SECURITY PROCESS DATA	284
INTERNAL AND THIRD-PARTY AUDITS	286

DOMAIN 7: SECURITY OPERATIONS	293
MANAGING SECURITY OPERATIONS	293
PREVENTING AND RESPONDING TO INCIDENTS	304
DISASTER RECOVERY PLANNING	319
INCIDENTS AND ETHICS	344
DOMAIN 8: SOFTWARE DEVELOPMENT SECURITY	361
SOFTWARE DEVELOPMENT	361
MALICIOUS CODE AND APPLICATION ATTACKS	390

© Trustforce B.V. 2017