EC-Council



CND Exam Blueprint v2.0

Domains	Objectives	Weightage	Number of Questions
Computer Network and Defense Fundamentals	 Understanding computer network Describing OSI and TCP/IP network Models Comparing OSI and TCP/IP network Models Understanding different types of networks Describing various network topologies Understanding various network components Explaining various protocols in TCP/IP protocol stack Explaining IP addressing concept Understanding Computer Network Defense(CND) Describing fundamental CND attributes Describing CND elements Describing CND process and Approaches 	5%	5
2. Network Security Threats, Vulnerabilities, and Attacks	 Understanding threat, attack, and vulnerability Discussing network security concerns Reasons behind network security concerns Effect of network security breach on business continuity Understanding different types of network threats Understanding different types of network security vulnerabilities Understanding different types of network attacks Describing various network attacks 	5%	5
3. Network Security Controls, Protocols, and Devices	 Understanding fundamental elements of network security Explaining network access control mechanism Understanding different types of access controls Explaining network Authentication, Authorization and Auditing (AAA) mechanism Explaining network data encryption mechanism Describing Public Key Infrastructure (PKI) Describing various network security protocols Describing various network security devices 	8%	8
4. Network Security Policy Design and Implementation	 Understanding security policy Need of security policies Describing the hierarchy of security policy Describing typical content of security policy Understanding policy statement Describing steps for creating and implementing security policy Designing of security policy Implementation of security policy Designing of various types of security policy Designing of various security policies Discussing various information security related standards, laws and acts 	6%	6

5. Physical Security	 Understanding physical security Need of physical security Factors affecting physical security Describing various physical security controls Understanding choosing Fire Fighting Systems Describing various access control authentication techniques Understanding workplace security Understanding personnel security 	6%	6
6. Host Security	 Describing Environmental Controls Importance of physical security awareness and training Understanding host security Understanding need of securing individual hosts Understanding threats specific to hosts Identifying paths to host threats Purpose of host before assessment Describing host security baselining Describing OS security baselining Understanding and describing security requirements for different types of servers 	7%	7
7. Secure Firewall Configuration and	 Understanding security requirements for hardening of routers Understanding security requirements for hardening of switches Understanding data security at rest, motion and use Understanding virtualization security Understanding firewalls Understanding firewall security concerns 	8%	8
Management	 Describing various firewall technologies Describing firewall topologies Appropriate selection of firewall topologies Designing and configuring firewall ruleset Implementation of firewall policies Explaining the deployment and implementation of firewall Factors to considers before purchasing any firewall solution Describing the configuring, testing and deploying of firewalls Describing the managing, maintaining, administrating firewall implementation Understanding firewall logging 		
	 Measures for avoiding firewall evasion Understanding firewall security best practices 		

Configuration and Management Management Management	8. Secure IDS	Understanding different types of intrusions and their	8%	8
Management - Understanding (DPS - Importance of implementing IDPS - Describing role of IDPS in network defense - Describing functions, components, and working of IDPS - Explaining various types of IDS implementation - Describing fine-tuning of IDS by minimizing false positive and false negative rate - Discussing characteristics of good IDS implementation - Discussing common IDS implementation mistakes and their remedies - Explaining various types of IPS implementation - Discussing requirements for selecting appropriate IDSP product - Technologies complementing IDS functionality 9. Secure VPN - Configuration and Management - Understanding Virtual Private Network (VPN) and its working - Importance of establishing VPN - Describing various VPN components - Describing implementation of VPN voncentrators and its functions - Explaining different types of VPN technologies - Discussing components for selecting appropriate VPN technologies - Discussing various topologies for implementation of VPN - Discussing various types of implementation of VPN - Discussing various very security concerns - Discussing various very security concerns - Discussing various very security concerns - Discussing various very less set andards - Describing various wireless network topologies - Describing various wireless network traffic - Detection and locating of rogue access points - Prevention of wireless network fr				
Importance of implementing IDPS	•	Understanding IDPS		
Describing functions, components, and working of IDPS Explaining various types of IDS implementation Describing fine-tuning of IDS by minimizing false positive and false negative rate Discussing characteristics of good IDS implementation Discussing common IDS implementation mistakes and their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality 9. Secure VPN Configuration and Management Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various vPN security concerns Discussing various very th security concerns Discussing various very the security concerns Discussing various very the security concerns Discussing various vireless network topologies Describing various wireless network topologies Describing various wireless network topologies Describing various wireless network components Explaining vireless network topologies Describing various wireless network components Explaining vireless network components Appropriate placement of wireless AP Appropriate placement of wireless anena Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from Ri interference Describing various security implications for wireless				
Describing functions, components, and working of IDPS Explaining various types of IDS implementation Describing staged deployment of NIDS and HIDS Describing fine-tuning of IDS by minimizing false positive and false negative rate Discussing characteristics of good IDS implementation Discussing common IDS implementation mistakes and their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality 9. Secure VPN Configuration and Management Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various VPN security concerns Discussing various VPN security concerns Discussing various very the security concerns Describing various very the very the very technologies Describing various wireless network topologies Describing various wereless network components Explaining wireless exercyption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless Palarining wireless network traffic Detection and locating of rogue access points Prevention of wireless network from Ri interference Describing various security implications for wireless				
Describing staged deployment of NIDS and HIDS Describing ine-tuning of IDS by minimizing false positive and false negative rate Discussing characteristics of good IDS implementation Discussing common IDS implementation mistakes and their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality 9. Secure VPN Configuration and Management Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining ore functions of VPN Explaining various VPN security concerns Discussing various vPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Discussing various wireless network topologies Describing various wireless network components Explaining wireless network components Explaining wireless network components Describing various wireless network components Discussing various authentication methods for wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless and rema Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
Describing staged deployment of NIDS and HIDS Describing fine-tuning of IDS by minimizing false positive and false negative rate Discussing characteristics of good IDS implementation Discussing common IDS implementation mistakes and their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality 9. Secure VPN Configuration and Management Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining core functions of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Discussing various wireless network to pologies Describing various wireless network components Explaining wireless network components Explaining wireless encryption (WEP, WPA,WPA2) technologies Describing various wireless network components Explaining wireless encryption (WEP, WPA,WPA2) technologies Describing various authentication methods for wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless anterna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for vireless				
Describing fine-tuning of IDS by minimizing false positive and false negative rate Discussing characteristics of good IDS implementation Discussing common IDS implementation mistakes and their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality 9. Secure VPN Configuration and Management Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining various types of VPN technologies Discussing various very security concerns Discussing various very security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Discussing various wireless network topologies Describing various wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Creation of inventory for wireless network components Appropriate placement of wireless and network components Appropriate placement of wireless and network components Appropriate placement of wireless and network components Prevention of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various of wireless network from RF interference Describing various of wireless network interference				
and false negative rate Discussing characteristics of good IDS implementation Discussing common IDS implementation mistakes and their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing various VPN components Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining core functions of VPN Discussing various VPN security concerns Discussing various VPN security concerns Discussing various VPN security concerns Discussing various vPN security implications for to ensure VPN security and performance Understanding wireless network topologies Describing various wireless network topologies Describing various wireless network components Explaining various wireless network topologies Describing various wireless network components Explaining various vireless network components Explaining various vireless network components Discussing various authentication methods for wireless networks Creation of inventory for wireless network components Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for viveless				
Discussing characteristics of good IDS implementation Discussing common IDS implementation mistakes and their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing warious VPN components Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various vPN security concerns Discussing various vPN security concerns Discussing various security implications for to ensure VPN security and performance Understanding wireless network topologies Describing passible use of wireless network topologies Describing various wireless network components Explaining vireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Creation of inventory for wireless network components Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RE interference Describing various security implications for wireless				
Discussing common IDS implementation mistakes and their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various ventury implications for to ensure VPN security and performance Understanding wireless network Defense Understanding wireless network topologies Describing various wireless network components Explaining wireless network components Describing various various authentication methods for wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network from RF interference Describing various security implications for wireless				
their remedies Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining ore functions of VPN Discussing various vpN security concerns Discussing various vPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Describing passible use of wireless network topologies Describing possible use of wireless network topologies Describing various wireless network topologies Describing various wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various wireless network components Explaining wireless network components of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless AP Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network from RE interference Describing various security implications for wireless				
Explaining various types of IPS implementation Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality 9. Secure VPN Configuration and Management Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining various typologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense 10. Wireless Network Describing various wireless network topologies Describing possible use of wireless network topologies Describing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network for wireless Describing various security implications for wireless				
Discussing requirements for selecting appropriate IDSP product Technologies complementing IDS functionality Understanding Virtual Private Network (VPN) and its working Understanding Virtual Private Network (VPN) and its working Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining various topologies for implementation of VPN Discussing various vPN security concerns Discussing various vPN security concerns Discussing various very implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Describing various wireless network topologies Describing various wireless network topologies Describing various wireless network components Explaining various wireless network components Explaining various wireless network components Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless antenna Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless networks or wireless Prevention of wireless networks or wireless				
9. Secure VPN Configuration and Management - Understanding Virtual Private Network (VPN) and its working - Importance of establishing VPN - Describing various VPN components - Describing implementation of VPN concentrators and its functions - Explaining different types of VPN technologies - Discussing components for selecting appropriate VPN - Explaining various typologies for implementation of VPN - Discussing various vpologies for implementation of VPN - Discussing various vpologies for implementation of VPN - Discussing various vpologies for implementation of VPN - Discussing various verity concerns - Discussing various verity implications for to ensure VPN security and performance 10. Wireless Network Defense - Understanding wireless network - Discussing various wireless network topologies - Describing various wireless network topologies - Describing various wireless network topologies - Describing various wireless network tomponents - Explaining various wireless network tomponents - Explaining various vireless network tomponents - Explaining various vireless network components - Explaining various vireless network components - Describing various vireless network components - Appropriate placement of wireless network components - Appropriate placement of wireless antenna - Monitoring of wireless network from RF interference - Describing various security implications for wireless				
P. Secure VPN Configuration and Management Understanding Virtual Private Network (VPN) and its working Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Discussing various topologies for implementation of VPN Discussing various security implications for to ensure VPN security and performance Understanding wireless network Defense Understanding wireless network topologies Describing various wireless network topologies Describing various wireless network components Explaining various wireless network components Explaining various authentication methods for wireless networks Discussing various types of threats on wireless networks Discussing various types of threats on wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network fring Describing various security implications for wireless Prevention of wireless network fring Describing various security implications for wireless				
9. Secure VPN Configuration and Management • Understanding Virtual Private Network (VPN) and its working • Importance of establishing VPN • Describing various VPN components • Describing implementation of VPN concentrators and its functions • Explaining different types of VPN technologies • Discussing components for selecting appropriate VPN technology • Explaining various topologies for implementation of VPN • Discussing various VPN security concerns • Discussing various veryln security implications for to ensure VPN security and performance 10. Wireless Network Defense • Understanding wireless network • Discussing various wireless network topologies • Describing parious wireless network topologies • Describing parious wireless network components • Explaining wireless encryption (WEP, WPA, WPA2) technologies • Describing various varieless network components • Explaining various varieless network components • Explaining various varieless network components • Explaining various varieless network components • Creation of inventory for wireless networks • Creation of inventory for wireless network components • Appropriate placement of wireless antenna • Monitoring of wireless network triffic • Detection and locating of rogue access points • Prevention of wireless network from RF interference • Describing various security implications for wireless		· ·		
Configuration and Management Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense 10. Wireless Network Defense 10. Describing various wireless network Describing various wireless network topologies Describing various wireless network topologies Describing various wireless network topologies Explaining various wireless network components Explaining various wireless network components Explaining various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless		rectificionics complementing ibs runctionality		
Configuration and Management Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Describing various wireless network topologies Describing various wireless network topologies Describing various wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless	9. Secure VPN	Understanding Virtual Private Network (VPN) and its	6%	6
Management Importance of establishing VPN Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Describing various wireless network topologies Describing various wireless network topologies Describing various wireless network components Explaining various wireless network components Explaining various authentication methods for wireless networks Discussing various authentication methods for wireless networks Creation of inventory for wireless network components Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless	Configuration and			
Describing various VPN components Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various very implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Describing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining wireless network components Explaining various wireless network components Explaining various authentication methods for wireless networks Discussing various types of threats on wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
Describing implementation of VPN concentrators and its functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Describing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining wireless encryption (WEP, WPA,WPA2) technologies Describing various wireless network components Explaining wireless network topologies Describing various wireless network components Creation of inventory for wireless network components Appropriate placement of wireless network components Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
functions Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Discussing various wireless network topologies Describing various wireless network topologies Describing possible use of wireless networks Explaining various wireless network components Explaining various wireless network components Discussing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless network components Appropriate placement of wireless network components Appropriate placement of wireless network raffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
Explaining different types of VPN technologies Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining core functions of VPN Discussing various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Discussing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless		- I		
Discussing components for selecting appropriate VPN technology Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Discussing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
technology Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance "Understanding wireless network Discussing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining various wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless		· · · · · · · · · · · · · · · · · · ·		
Explaining core functions of VPN Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Discussing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining various wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
Explaining various topologies for implementation of VPN Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance 10. Wireless Network Defense Understanding wireless network Discussing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining various wireless network components Explaining various wireless network components Explaining various wireless network components Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
Discussing various VPN security concerns Discussing various security implications for to ensure VPN security and performance Understanding wireless network Defense Understanding wireless network Discussing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining various wireless network components Explaining various wireless network omponents Explaining various wireless network omponents Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless		· · · · · · · · · · · · · · · · · · ·		
Discussing various security implications for to ensure VPN security and performance Understanding wireless network Defense Understanding wireless network Discussing various wireless standards Describing various wireless networks Explaining various wireless networks Explaining various wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
security and performance 10. Wireless Network Defense 10. Understanding wireless network Discussing various wireless standards Describing passible use of wireless networks Explaining various wireless network components Explaining wireless encryption (WEP, WPA, WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless		· ·		
Defense Discussing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining various wireless network components Explaining wireless encryption (WEP, WPA,WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless		· ·		
Defense Discussing various wireless standards Describing various wireless network topologies Describing possible use of wireless networks Explaining various wireless network components Explaining wireless encryption (WEP, WPA,WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless	10 Mr. J N	H. J. ata Para Palanana	60/	
 Describing various wireless network topologies Describing possible use of wireless networks Explaining various wireless network components Explaining wireless encryption (WEP, WPA,WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 			6%	6
 Describing possible use of wireless networks Explaining various wireless network components Explaining wireless encryption (WEP, WPA,WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 	Detense			
 Explaining various wireless network components Explaining wireless encryption (WEP, WPA,WPA2) technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 				
technologies Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
 Describing various authentication methods for wireless networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 				
networks Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless				
 Discussing various types of threats on wireless networks Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 				
 Creation of inventory for wireless network components Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 				
 Appropriate placement of wireless AP Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 				
 Appropriate placement of wireless antenna Monitoring of wireless network traffic Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 				
 Detection and locating of rogue access points Prevention of wireless network from RF interference Describing various security implications for wireless 		Appropriate placement of wireless antenna		
 Prevention of wireless network from RF interference Describing various security implications for wireless 				
Describing various security implications for wireless				
TICKWOTK				
		TICLWOIK	250	
				7059

11. Network Traffic	Understanding network traffic monitoring	9%	9
Monitoring and	Importance of network traffic monitoring		
Analysis	Discussing techniques used for network monitoring and analysis		
	Appropriate position for network monitoring		
	Connection of network monitoring system with		
	managed switch		
	Understanding network traffic signatures		
	Baselining for normal traffic		
	Disusing the various categories of suspicious traffic		
	signatures		
	Various techniques for attack signature analysis		
	Understanding Wireshark components, working and		
	features		
	Demonstrating the use of various Wireshark filters		
	Demonstrating the disc of various wireshark inters Demonstrating the monitoring LAN traffic against policy		
	violation		
	Demonstrating the security monitoring of network traffic		
	Demonstrating the security monitoring of network trainc Demonstrating the detection of various attacks using		
	Wireshark		
	Discussing network bandwidth monitoring and		
	performance improvement		
12. Network Risk	Understanding risk and risk management	9%	9
and Vulnerability	Key roles and responsibilities in risk management		
Management	Understanding Key Risk Indicators (KRI) in risk		
	management		
	Explaining phase involves in risk management		
	Understanding enterprise network risk management		
	Describing various risk management frameworks		
	Discussing best practices for effective implementation of		
	risk management		
	Understanding vulnerability management		
	Explaining various phases involve in vulnerability		
	management		
	 Understanding vulnerability assessment and its 		
	Understanding vulnerability assessment and its importance		
	Understanding vulnerability assessment and its importance		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment 		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment Discussing internal and external vulnerability assessment 		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment Discussing internal and external vulnerability assessment 		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment Discussing internal and external vulnerability assessment Discussing steps for effective external vulnerability assessment 		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment Discussing internal and external vulnerability assessment Discussing steps for effective external vulnerability 		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment Discussing internal and external vulnerability assessment Discussing steps for effective external vulnerability assessment Describing various phases involve in vulnerability assessment 		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment Discussing internal and external vulnerability assessment Discussing steps for effective external vulnerability assessment Describing various phases involve in vulnerability assessment Selection of appropriate vulnerability assessment tool 		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment Discussing internal and external vulnerability assessment Discussing steps for effective external vulnerability assessment Describing various phases involve in vulnerability assessment Selection of appropriate vulnerability assessment tool Discussing best practices and precautions for deploying 		
	 Understanding vulnerability assessment and its importance Discussing requirements for effective network vulnerability assessment Discussing internal and external vulnerability assessment Discussing steps for effective external vulnerability assessment Describing various phases involve in vulnerability assessment Selection of appropriate vulnerability assessment tool 		

13. Data Backup and Recovery	 Understanding data backup Describing the data backup plan Describing the identification of data to backup Determining the appropriate backup medium for data backup Understanding RAID backup technology and its advantages Describing RAID architecture Describing various RAID levels and their use Selection of appropriate RAID level Understanding Storage Area Network (SAN) backup technology and its advantages Best practices of using SAN Understanding Network Attached Storage (NAS) backup technology and its advantages Describing various types of NAS implementation 	9%	9
14. Network Incident Response and Management	 Understanding Incident Handling and Response (IH&R) Roles and responsibilities of Incident Response Team (IRT) Describing role of first responder Describing first response activities for network administrators Describing Incident Handling and Response (IH&R) process Understanding forensic investigation People involved in forensics investigation Describing forensics investigation methodology 	8%	8