CYBER SECURITY & MICROSOFT SECURITY

CYBER SECURITY:

INTRODUCTION OF ATTACKS AND HACKING METHODOLOGY

1.Internet is Integral Part of Business and Personal Life
2.Essential Terminology
3.The Security, Functionality and Usability Triangle
4.Penetration Testing Concepts

VIRUS AND WORM CONCEPTS

1. How Attacker Deploy Trojan
2. Trojan Horse Construction kit
3. Spyware Construction
4. Spyware Deployment
5. Social Engineering Attack
6. Phishing
7. Fake mailing
8. Fake Calling

ADVANCE HACKING WEB SERVERS

1. Google dork
2. Overview of OWASP top 10
3. SQL Injection
4. Cross Site Scripting
5. Bypass Client-Side Controls
6. Directory Transversa

STEGANOGRAPHY

1. Sending Secret Message
2. Hiding Text Behind the Image
3. Hiding Image Behind Image
4. Hiding Text Behind Text
5. Creating Secret Undeletable File

MICROSOFT SECURITY:

DESCRIBE BASIC CONCEPTS OF SECURITY, COMPLIANCE, AND IDENTITY.

Learn about core concepts and methodologies that are foundational to security, compliance, and identity solutions, including Zero-Trust, shared responsibility, the role of identity providers, and more.

- Describe security and compliance concepts and methodologies
- Describe identity concepts

MICROSOFT SECURITY:

DESCRIBE THE CONCEPTS AND CAPABILITIES OF MICROSOFT IDENTITY AND ACCESS MANAGEMENT SOLUTIONS

Learn about Azure AD services and identity principals, secure authentication, access
management capabilities, as well as identity protection and governance.
• Describe the basic services and identity types of Azure AD
• Describe the authentication capabilities of Azure AD
• Describe the access management capabilities of Azure AD
• Describe the identity protection and governance capabilities of Azure AD

1. Explore Azure Active Directory
2. Explore Azure AD Authentication with self- service password rese
3. Explore access management in Azure AD with Conditional Access
4. Explore identity governance in Azure AD with Privileged Identity Management

DESCRIBE THE CAPABILITIES OF MICROSOFT SECURITY SOLUTIONS

Learn about security capabilities in Microsoft. Topics covered will include network and platform
capabilities of Azure, Azure security management, and Microsoft Sentinel. You'll learn about
threat protection with Microsoft 365 Defender and Microsoft 365 security management, and
you'll explore endpoint protection with Intune.

- Describe the basic security capabilities in Azure
- Describe the security management capabilities of Azure
- Describe the security capabilities of Microsoft Sentinel
- Describe the threat protection capabilities of Microsoft 365
- Describe the security management capabilities of Microsoft 365
- Describe endpoint security with Microsoft Intune

1. Explore Microsoft Defender for Cloud Apps

2. Explore Microsoft Sentinel

3. Explore Microsoft Defender for Cloud

4. Explore Azure Network Security Groups (NSGs)

5. Explore the Microsoft 365 Defender portal

6. Explore Microsoft Intune

Module 4: Describe the capa

DESCRIBE THE CAPABILITIES OF MICROSOFT COMPLIANCE SOLUTIONS

Learn about compliance solutions in Microsoft. Topics covered will include Compliance center,
Information protection and governance in Microsoft 365, Insider Risk, audit, and eDiscovery
solutions. Also covered are Azure resources governance capabilities.

- Describe the compliance management capabilities in Microsoft
- Describe the information protection and governance capabilities of Microsoft 365
- Describe the insider risk capabilities in Microsoft 365
- Describe the eDiscovery and audit capabilities of Microsoft 365
- Describe the resource governance capabilities in Azure

1. **Explore Azure Policy**
2. **Explore the Core eDiscovery workflow**
3. **Explore the Service Trust Portal**
4. **Explore the Microsoft 365 compliance center & Compliance Manager**
5. **Explore sensitivity labels in Microsoft 365**
6. **Explore Insider Risk Management in Microsoft 365**