

## MCSE SYLLABUS

### Course Contents :

#### **Exam 70-290 : Managing and Maintaining a Microsoft Windows Server 2003:**

- Managing Users, Computers and Groups.
- Configure access to shared folders.
- Managing and Maintaining a Server Environment.
- Manage software update infrastructure.
- Monitor file and print servers.
- Manage a Web server using IIS.
- Manage basic disks and dynamic disks.
- Install and configure server hardware devices.
- Managing and Implementing Disaster Recovery.
- Manage backup procedures and recover from the backup.
- Recover from server hardware failure.

#### **Exam 70-291: Implementing, Managing and maintaining a Microsoft Windows Server 2003 Network Infrastructure:**

- Implementing, Managing and Maintaining IP Addressing.
- Configure TCP/IP addressing on a server computer using DHCP.
- Implementing, Managing and Maintaining Name Resolution using DNS Server.
- Implementing, Managing and Maintaining Routing and Remote Access.
- Configure remote access authentication protocols.
- Implement secure access between private networks.
- Manage Routing and Remote Access routing interfaces.
- Maintaining a Network Infrastructure.

#### **Exam 70-293 : Planning and Maintaining a Microsoft Windows Server 2003 Network**

##### **Infrastructure:**

- Planning and Implementing Server Roles and Server Security.

- Planning, Implementing and Maintaining a Network Infrastructure.
- Planning, Implementing and Maintaining Routing and Remote Access.
- Planning, Implementing and Maintaining Server Availability.
- Planning and Maintaining Network Security.
- Planning, Implementing and Maintaining Security Infrastructure.

### **Exam 70-294 : Planning, Implementing and Maintaining a Microsoft Windows Server**

#### **2003 Active Directory Infrastructure:**

- Planning and Implementing an Active Directory Infrastructure.
- Evaluate network traffic considerations when placing global catalog servers.
- Evaluate the need to enable universal group caching.
- Managing and Maintaining an Active Directory Infrastructure.
- Planning and Implementing User, Computer and Group Strategies.
- Plan a user authentication strategy.
- Plan a smart card authentication strategy.
- Plan an OU structure.
- Planning and Implementing Group Policy.
- Managing and Maintaining Group Policy.
- Troubleshoot the application of Group Policy security settings.

**(Any one exam Required)**

### **Exam 70-270 : Installing, Configuring and Administering Microsoft Windows® XP Professional:**

- Installing Windows XP Professional.
- Implementing and Conducting Administration of Resources.
- Manage and troubleshoot access to shared folders.
- Connect to local and network print devices.
- Implementing, Managing and Troubleshooting Hardware Devices and Drivers.
- Monitoring and Optimizing System Performance and Reliability.
- Configuring and Troubleshooting the Desktop Environment.
- Implementing, Managing and Troubleshooting Network Protocols and Services.
- Configuring, Managing and Troubleshooting Security.
- Configure, manage and troubleshoot Internet Explorer security settings.

**Exam 70-210 : Installing, Configuring and Administering Microsoft Windows 2000**

**Professional:**

- Installing Windows 2000 Professional.
- Implementing and Conducting Administration of Resources.
- Implementing, Managing and Troubleshooting Hardware Devices and Drivers.
- Monitoring and Optimizing System Performance and Reliability.
- Configuring and Troubleshooting the Desktop Environment.
- Implementing, Managing and Troubleshooting Network Protocols and Services.
- Implementing, Monitoring and Troubleshooting Security.

(Any one exam Required)

**Exam 70-297 : Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure:**

- Creating the Conceptual Design by Gathering and Analyzing Business and Technical Requirements.
- Creating the Logical Design for an Active Directory Infrastructure.
- Creating the Logical Design for a Network Services Infrastructure.
- Creating the Physical Design for an Active Directory and Network Infrastructure.
- Design a DNS service implementation.
- Design a NetBIOS name resolution strategy.
- Design a network and routing topology for a company.
- Design Internet connectivity for a company.

**Exam 70-298 : Designing Security for a Microsoft Windows Server 2003 Network:**

- Creating the Conceptual Design for Network. Infrastructure Security by Gathering and Analyzing Business and Technical Requirements.
- Creating the Logical Design for Network Infrastructure Security.
- Creating the Physical Design for Network Infrastructure Security.
- Design a public key infrastructure (PKI) that uses Certificate Services.
- Design security for network management.

- Design security for wireless networks.
- Design user authentication for Internet Information Services (IIS).
- Design security for communication between networks.
- Designing an Access Control Strategy for Data.
- Creating the Physical Design for Client Infrastructure Security.

(Any one exam Required)

**Exam 70-227 : Installing, Configuring and Administering Microsoft Internet Security and Acceleration (ISA) Server 2000, Enterprise Edition:**

- Installing ISA Server.
- Install ISA Server. Installation modes include integrated, firewall and cache.
- Configuring and Troubleshooting ISA Server Services
- Configure and troubleshoot outbound Internet access
- Configure H.323 Gatekeeper for audio and video conferencing.
- Configure and troubleshoot virtual private network (VPN) access.
- Configuring, Managing and Troubleshooting Policies and Rules.
- Create and configure access control and bandwidth policies.
- Manage ISA Server arrays in an enterprise.
- Deploying, Configuring and Troubleshooting the Client Computer.
- Monitoring, Managing and Analyzing ISA Server Use
- Troubleshoot problems with security and network usage.

**Exam 70-228 : Installing, Configuring and Administering Microsoft SQL Server 2000**

**Enterprise Edition:**

- Installing and Configuring SQL Server 2000.
- Upgrade to SQL Server 2000.
- Create a linked server.
- Configure network libraries.
- Troubleshoot failed installations.
- Creating SQL Server 2000 Databases.
- Attach and detach databases.
- Create and alter databases.

- Perform disaster recovery operations.
- Managing, Monitoring and Troubleshooting SQL Server 2000 Databases.
- Extracting and Transforming Data with SQL Server 2000.
- Managing and Monitoring SQL Server 2000 Security.
- Managing, Monitoring and Troubleshooting SQL Server 2000.
- Create, manage and troubleshoot SQL Server Agent jobs.
- Monitor SQL Server system activity by using traces.
- Monitor SQL Server system activity by using System Monitor.

**Exam 70-284 : Implementing and Managing Microsoft Exchange Server 2003:**

- Installing, Configuring and Troubleshooting Exchange Server 2003.
- Prepare the environment for deployment of Exchange Server 2003.
- Install, configure and troubleshoot Exchange Server 2003.
- Upgrade from Exchange Server 5.5 to Exchange Server 2003.
- Migrate from other messaging systems to Exchange Server 2003.
- Configure Exchange 2003 for inter-operability with other SMTP messaging systems.
- Managing, Monitoring and Troubleshooting Exchange Server Computers.
- Perform and troubleshoot backups and recovery.
- Manage, monitor and troubleshoot data storage.
- Manage and troubleshoot public folders.
- Manage and troubleshoot virtual servers.
- Manage and troubleshoot front-end and back-end servers.
- Managing Security in the Exchange Environment.
- Managing Recipient Objects and Address Lists.