## MCSE Content

### Network Essentials

1. Networking Concepts, History of Server OS
2. Introduction to windows server 2008 & 2012 , 2016
3. Features of Windows Server 2008 & 2012, 2016
4. Installation of Windows Server
5. Introduction and Creation of Users Accounts
1. IP Addressing
2. Logical Topologies – Peer-Peer & Domain Models
3. Introduction to Directory Services
4. Features of Active Directory
5. Installing Active Directory – Domain Controller
6. Configuration member servers and Client
7. Creating users in AD-DS
8. User Logon Policies
9. Password Policies
10. Account Lockout Policies
11. User Properties
1. File System
2. Security & Sharing Permission – Folders & Files

Profile & File Server Resource Manager (FSRM)

1. Types of Profile – Local & Roaming

2. Home& Folder
3. Configuration Quotas
1. Creating Organizational Unit
2. Delegating Control to a User

## Logical Structure of AD-DS

1. Configuring   ADC
2. Tree Structure – Child Domain
3. Forest Structure

## Group Policy / System Policies

1. User and Computer Policies
2. Software Deployment
3. Group Policy Preferences
1. Introduction to Trust Relationship
2. Categories, Direction & Types of Trusts
3. Functional Levels
4. Configuring Forest Trusts Between  Forests

## Remote Desktop Services

1. Remote Administration Mode

## Dynamic Host configuration Protocol (DHCP)

1. Introduction and Configuration of DHCP Server
2. DHCP Client Configuration
3. Reservations
4. DHCP Backup Configuring DHCP Failover

## **Domain Name System (DNS)**

1. Internet Basics, Host & LM Host Files
2. DNS Naming Hierarchy
3. Lookup Zones - Forward and Reverse lookup Zones

4. Types of Zones – Primary, Secondary & Stub Zone
5. Resource Records, Integration with ADS, SRV Records
6. Forwarders, Dynamic Updates

1. Installation of Hyper – V
2. Configuring Virtual Machine

## Internet Information Services(IIS)

1. IIS Configuration
2. Hosting Websites, Virtual Directories
3. FTP Server Configuration

## Permissions/Access Control Lists

1. File Systems
2. Security and Sharing Permissions - Folders & Files
3. Offline Folder

Introduction & Configuration of WDS Server

## Disk Management

1. Basic & Dynamic Disks
2. Types of Volumes
3. RAID 0, 1, 5 Levels

## Advanced Topics

1. Windows Server Backup
2. Introduction to print server