

Sl.#	Subject Details	
1.	<b>Subject:</b>	<b>Soft Skill Training</b>
	Code:	Soft Skill Training
	Principle:	Udaan
	Soft Skill Training	

Sl.#	Sessions
1.	<p>Session: 1 <b>Pre- Assessment</b></p> <p>a) Body Language, b) communication c) Presentation style, d) fluency, e) fear and confidence level will be monitored</p>
2.	<p>Session: 2 <b>Accent Neutralization</b></p> <p>a) Brief on voice and invoiced sound b) Pronunciation of alphabets- F &amp; V C) Practice Sessions d) Introduction and brief about 1st five vowel sounds</p>
3.	<p>Session: 3 <b>Accent Neutralization</b></p> <p>a) Review of Day 2 b) pronunciation of alphabets- l, r, qu, s, c, sh, th, w/wa c) Practice sessions with written exercises</p>
4.	<p>Session: 4 <b>Accent Neutralization</b></p> <p>a) Review of Day 1,2, &amp;3 b) Brief about reductions in spoken english c) vowel sound - 6 to 10 d) Oral &amp; written Practice sessions</p>
5.	<p>Session: 5 <b>Accent Neutralization</b></p> <p>a) Review of day 1,2, 3 &amp; 4 b) Passage reading with right pronunciation</p>

	<p>c) Individual passage reading ( practice sessions) and providing individual feedback - continued to day 6</p> <p>b) Brief about reductions in spoken english</p> <p>c) vowel sound - 6 to 10</p> <p>d) Oral &amp; written Practice sessions</p>
<b>6.</b>	<p>Session: 6</p> <p><b>Accent Neutralization</b></p> <p>a) Review of day 1,2, 3 &amp; 4</p> <p>b) Individual passage reading ( practice sessions) and providing individual feedback</p> <p>b) Brief about reductions in spoken english</p> <p>c) vowel sound - 6 to 10</p> <p>d) Oral &amp; written Practice sessions</p>
<b>7.</b>	<p>Session: 7</p> <p><b>Accent Neutralization</b></p> <p>a) discussion about common pronunciation mistakes</p> <p>b) learning vowel sounds - 11th to 15th</p> <p>c) practice sessions</p>
<b>8.</b>	<p>Session: 8</p> <p><b>Accent Neutralization</b></p> <p>a) Practice sessions - Pronouncing words - Reading sentence with right jargon and pronunciation - Passage reading</p> <p>b) providing individual feedback - Continued on day 9</p>
<b>9.</b>	<p>Session: 9</p> <p><b>Accent Neutralization</b></p> <p>a) Practice sessions - Pronouncing words - Reading sentence with right jargon and pronunciation - Passage reading</p> <p>b) providing individual feedback</p>
<b>10.</b>	<p>Session: 10</p> <p><b>Accent Neutralization</b></p> <p>a) Tongue twisters with right pronunciation</p> <p>b) individual stage presentation sessions - pronunciation, jargons and style is observed and feedback is provided by the</p>

	<p>trainer.          - continued to Day 11</p>
<b>11.</b>	<p>Session: 11  <b>Accent Neutralization</b></p> <p>Individual stage presentation sessions - pronunciation, jargons and style is observed and feedback is provided by the trainer.          - continued to Day 11</p>
<b>12.</b>	<p>Session: 12  <b>Soft Skills</b></p> <p>a) Introduction to Body Language          b) Discussion on common errors in body language          c) techniques to adopt the right body language          d) demonstrations by the trainer          e) individual assessment of body language with feedback          - continued to day 13</p>
<b>13.</b>	<p>Session: 13  <b>Soft Skills</b></p> <p>a) Techniques to eliminate fear and enhance confidence          b) Individual Practice sessions with feedback</p>
<b>14.</b>	<p>Session: 14  <b>Soft Skills</b></p> <p>a) Introduction to various ways to enhance efficiency in fluency.          b) Individual stage presentations with feedback          contd/- to Day 15</p>
<b>15.</b>	<p>Session: 15  <b>Soft Skills</b></p> <p>a) Individual stage presentations with feedback</p>
<b>16.</b>	<p>Session: 16  <b>Soft Skills</b></p> <p>a) Importance of time management          b) Introduction to leadership quality          c) Introduction to right attitude &amp; Self esteem</p>
<b>17.</b>	<p>Session: 17  <b>Interviewing skills</b></p> <p>a) Introduction to Resume writing          b) qualities of an effective resume          c) sharing sample of different resumes</p>

<b>18.</b>	Session: 18 <b>Interviewing skills</b>  a) Discipline to be followed - for /at an interview b) adopting right body language & attitude c) techniques of an effective interview d) brief about the importance of time management, dressing and etiquette to be followed for/at an interview d) Discuss on most expected questions and right way of answering e) tips to Handle unknown/lack of knowledge questions
<b>19.</b>	Session: 19 <b>Interviewing skills</b>  Mock interview
<b>20.</b>	Session: 20 <b>Interviewing skills</b>  Mock interview

Sl.#	Subject Details	
<b>1.</b>	<b>Subject:</b>	<b>Udaan Hardware</b>
	Code:	Udaan Hardware
	Principle:	Udaan
	Udaan IMSS Hardware	

Sl.#	Sessions
<b>1.</b>	Session: 1 <b>Introduction to Computers</b>  What is a Computer, Four classes of Computers, Evaluation of Computer, What is hardware and Software, Types of Software i.e, System S/w and Application S/w, DOS Internal Commands,
<b>2.</b>	Session: 2 <b>Assemble a computer</b>  Components needed to assemble a computer, Use of Serial and Parallel Port, Identification of Ports Identification of Add-on cards Assembling a Computer
<b>3.</b>	Session: 3 <b>Practical for Assembling a Computer</b>  Practical for Assembling a Computer
<b>4.</b>	Session: 4 <b>Installation of OS</b>  Installation of Windows 07/08  <b>Installation of Application Software</b>  Installation of Application Software Installation of MS-Office, WinZip, Adobe Acrobat Etc.
<b>5.</b>	Session: 5

	<p><b>MICROPROCESSOR</b></p> <p>Microprocessor Types  PC-AT, CISC, RISC  Basic Structure  Pentium 4, core2 duo, Dual Core</p> <p>I core generation of processors</p>
<p><b>6.</b></p>	<p>Session: 6</p> <p><b>Motherboards and Their Components</b></p> <p>Motherboards, Processor and Adapter Cards  Motherboards and Their Components.  Processor and CPUs.</p>
<p><b>7.</b></p>	<p>Session: 7</p> <p><b>Memory Management</b></p> <p>Types of memory (EDO, SIMM, DIMM, RIMM)  Types of Cache memory (Primary and secondary)  Classification of Memory (Conventional, extended, expanded)  Difference between DDR1, 2 &amp; 3 RAM</p>
<p><b>8.</b></p>	<p>Session: 8</p> <p><b>BIOS</b></p> <p>Understanding BIOS, CMOS, and Firmware.  Configuring the System Bios.  Power-on Self Test and Error Reporting.</p>
<p><b>9.</b></p>	<p>Session: 9</p> <p><b>Storage Devices</b></p> <p>FDD, HDD, CDROM, DVD ROM  Removable Storage.  Flash Memory and Card Readers.  USB Flash Memory Drives.</p>
<p><b>10.</b></p>	<p>Session: 10</p> <p><b>System Resources</b></p> <p>System Resources  Interrupts, DMA channels, I/O Areas  Plug and Play, Cache  Bus  Expansion slots: ISA, MCA, EISA, VESA, PCI, AGP</p>

<b>11.</b>	<p>Session: 11 <b>I/O Devices</b></p> <p>Understanding I/O Ports. Understanding Input Devices. Understanding Multimedia Devices. Driver installation of MB/ Sound Card/ /VGA Card</p>
<b>12.</b>	<p>Session: 12 <b>Virus</b></p> <p>Major Virus Types Virus Infection Mechanism &amp; Prevention</p>
<b>13.</b>	<p>Session: 13 <b>System Management Tools</b></p> <p>Device and Task Manager,MSCONFIG.EXE,REGEDIT.EXE,  Event Viewer,System Restore</p>
<b>14.</b>	<p>Session: 14 <b>Printers</b></p> <p>Printer Fundamentals. Printer working concept (DMP, Inkjet, Laserjet) Printer and Scanner Control. Printer Installation.</p>
<b>15.</b>	<p>Session: 15 <b>Laptops</b></p> <p>Working on Laptop . Fundamental Features of Laptops and Portable Devices. Configuring Power Management. Applications for Portable and Laptop Hardware. Safe Removal of Laptop Specific Hardware.</p>
<b>16.</b>	<p>Session: 16 <b>Trouble Shooting OS</b></p> <p>Trouble Shooting</p> <p>Operating System</p> <p>Hardware</p>

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Sl.#	Subject Details	
<b>1.</b>	<b>Subject:</b>	<b>Udaan Network</b>
	Code:	Udaan Network
	Principle:	Udaan
	Udaan Network	

Sl.#	Sessions
<b>1.</b>	Session: 1 <b>Introduction to Network</b>  Introduction to Network  Components required to establish network  Types of Network  Types of Network Models
<b>2.</b>	Session: 2 <b>OSI Reference Model</b>  The OSI Reference Model  Data Encapsulation  Application Layer  Presentation Layer  Session Layer  Transport layer



<p><b>3.</b> Session: 3 <b>ISO/OSI Reference Model</b></p> <p>OSI layers Cont.....</p> <p>Network Layer</p> <p>Data Link Layer</p> <p>Physical Layer</p>												
<p><b>4.</b> Session: 4 <b>Cables</b></p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Network Understanding</td> <td style="width: 33%; text-align: center;">Interface</td> <td style="width: 33%; text-align: right;">Adapter function</td> </tr> <tr> <td>Installing Network Types</td> <td style="text-align: center;">and of</td> <td style="text-align: right;">nic cables cable</td> </tr> <tr> <td style="text-align: center;">Twisted pairs</td> <td style="text-align: center;">Co</td> <td style="text-align: right;">axial</td> </tr> <tr> <td></td> <td style="text-align: center;">drivers</td> <td style="text-align: right;">configuring</td> </tr> </table>	Network Understanding	Interface	Adapter function	Installing Network Types	and of	nic cables cable	Twisted pairs	Co	axial		drivers	configuring
Network Understanding	Interface	Adapter function										
Installing Network Types	and of	nic cables cable										
Twisted pairs	Co	axial										
	drivers	configuring										
<p><b>5.</b> Session: 5 <b>Cables Conti.....</b></p> <p>Network cable conti..</p> <p>Fibre optic</p> <p>LAN technologies</p> <p>Ethernet</p> <p>Token ring</p> <p>FDDI</p> <p>Network topologies (BUS, STAR, RING, HYBRID etc.)</p>												
<p><b>6.</b> Session: 6 <b>Network Devices</b></p> <p>Network devices</p> <ul style="list-style-type: none"> <li>Repeaters</li> <li>Hubs</li> <li>MAU</li> <li>Bridge</li> <li>Switch</li> <li>Router</li> <li>Firewal</li> </ul>												
<p><b>7.</b> Session: 7 <b>TCP/IP Model</b></p>												

	<p>TCP/IP model          Application / process layer protocol          TCP and UDP header</p>
<b>8.</b>	<p>Session: 8  <b>TCP/IP Model Conti....</b></p> <p>IP standards          IP function          IP header          ICMP          ARP and RARP</p>
<b>9.</b>	<p>Session: 9  <b>TCP/IP Model Conti...</b></p> <p>Network interface layer          Ethernet              Standards              Physical layer specification              Frame          Token ring          FDDI          Physical layer components</p>
<b>10.</b>	<p>Session: 10  <b>IP Addressing</b></p> <p>IP addressing              Assignment and classes              Registered and unregistered address</p>
<b>11.</b>	<p>Session: 11  <b>Subnetting And Supernetting</b></p> <p>Subnetting and          Supernetting</p>
<b>12.</b>	<p>Session: 12  <b>Introduction to IPV6</b></p> <p>Introduction to IPV6          Features of IPV6          Comparision b/w IPV4 and IPV6</p>

	<p>Types of IPV6 address</p> <p>IPV6 Address Format</p> <p>IPV6 Header Format</p>
<b>13.</b>	<p>Session: 13</p> <p><b>Network Operating System.</b></p> <p>Network operating system.</p> <p>Directory service</p> <p>Introduction</p> <p>Structure</p> <p>Components</p>
<b>14.</b>	<p>Session: 14</p> <p><b>Installation Of Directory Services</b></p> <p>Installation of directory services</p> <p>PDC,ADC and CDC</p> <p>Making workgroup as a domain member</p>
<b>15.</b>	<p>Session: 15</p> <p><b>Practical on installation of directory services.</b></p> <p>Practical on installation of directory services such as PDC,ADC and CDC and Making workgroup as a domain member</p>
<b>16.</b>	<p>Session: 16</p> <p><b>Creating And Managing Users And Groups</b></p> <p>Creating and managing users and groups in domain.</p> <p>Creating users using Command line.</p> <p>Net user and DSADD command.</p>
<b>17.</b>	<p>Session: 17</p> <p><b>Security Policies</b></p> <p>Security policies</p> <p>Password policy</p> <p>Account policy</p>
<b>18.</b>	<p>Session: 18</p> <p><b>DHCP</b></p> <p>DHCP</p> <p>Introduction to Dynamic Host Configuration Protocol.</p> <p>Working principle</p> <p>Message types.</p>

19.	<p>Session: 19</p> <p><b>DNS</b></p> <p>DNS          Domain Naming System          Working principle          Type of records          Type of zones</p>
20.	<p>Session: 20</p> <p><b>TCP / IP utilities</b></p> <p>TCP / IP utilities          Ping          Traceroute          Ipconfig          Netstat          Nbtstat          Telnet          FTP</p>
21.	<p>Session: 21</p> <p><b>TCP/IP Routing</b></p> <p>TCP/IP routing          Routing principle          Understanding routing          Routed and routing protocol          Understanding and building Routing table.          Types of routing.              Static              Creating static route</p>
22.	<p>Session: 22</p> <p><b>WAN Technologies</b></p> <p>WAN technologies              Leased Lines              Frame relay              ATM</p>
23.	<p>Session: 23</p> <p><b>Network testing and monitoring tool</b></p> <p>Network management product              Performance monitor          Network testing and monitoring tool              Network monito</p>

**24.** Session: 24

**Troubleshooting Network Problem.**

Troubleshooting network problem.

Tips on network troubleshooting scenari

Sl.#	Subject Details	
1.	<b>Subject:</b>	<b>Udaan Client OS</b>
	Code:	Udaan Client OS
	Principle:	Udaan
	Udaan Client OS	

Sl.#	Sessions
1.	Session: 1 <b>Windows 7 Installation</b>  Preparing to Install Windows 7 Performing a Clean Installation of Windows 7 Upgrading and Migrating to Windows 7
2.	Session: 2 <b>Unattended Installation</b>  Performing Image-based Installation of Windows 7 Unattended Installation Installing and Configuring Windows 7 Configuring a Reference Image of Windows 7 Configuring a Reference Image
3.	Session: 3 <b>Boot Process</b>  Describe boot Process Controlling System Settings During the Boot Process. Troubleshooting Boot Process. Defining Logon Process Logon Authentication.
4.	Session: 4 <b>Users and Groups</b>  Creating Users and Group. Examining Workgroups and User Accounts. Creating and Authenticating Local User Accounts. Group Membership.
5.	Session: 5 <b>Power Management</b>  Configuring Power Management Options for Mobile Computing.

	<p>Making Files, Folders, and Web Pages Available for Offline Use.          Lab A: Configuring Offline Files Managing File Access in Windows 7          Managing Shared Folders          Configuring File Compression</p>
6.	<p>Session: 6  <b>Windows Defender</b></p> <p>Configuring Security Settings in Internet Explorer 8          Introduction to different types of Browser i.e Mozilla, Safari, Netscape.          Configuring Windows Defender          Configuring User Account Control          Configuring Windows Firewall</p>
7.	<p>Session: 7  <b>Security Policy</b></p> <p>Configuring Local Security Policy.          Configuring Group Policy.</p>
8.	<p>Session: 8  <b>Wireless Networks</b></p> <p>Overview of Wireless Networks          Configuring a Wireless Network          Lab : Configuring Wireless Network Connections          Determining the appropriate configuration for a wireless network          Troubleshooting Wireless Connectivity</p>
9.	<p>Session: 9  <b>Add Hardware Wizard</b></p> <p>Installing and Configuring Hardware Devices.          Adding and Removing Devices Using the Add Hardware Wizard.          Working with Drivers.          Using Driver Rollback to Restore a Device Driver.          Troubleshooting Hardware Devices</p>
10.	<p>Session: 10  <b>Printers on Windows 7</b></p> <p>Configuring File Access and Printers on Windows 7 Client Computers          Create and Configure a Public Shared Folder for all Users          Configuring Shared Access to Files for Specific Users          Creating and Sharing a Printer</p>
11.	<p>Session: 11  <b>Network Connectivity</b></p> <p>Configuring IPv4 Network Connectivity</p>

	<p>Configuring IPv6 Network Connectivity          Implementing Automatic IP Address Allocation          Overview of Name Resolution          Troubleshooting Network Issues</p>
<b>12.</b>	<p>Session: 12  <b>Windows 7 Inbuilt Application</b></p> <p>Windows 7 Inbuilt Application.          Configuring User Desktop Settings.          Customizing the Desktop Environment.</p>
<b>13.</b>	<p>Session: 13  <b>Remote Desktop</b></p> <p>Understanding How User Profiles and Group Policy Affect Desktop          Difference between Remote Desktop &amp; Remote Assistance.</p>
<b>14.</b>	<p>Session: 14  <b>MS-Office 2010</b></p> <p>Installation of MS-Office 2010          Define MS Office Templates and add-ins.          Updates and Up gradation of Ms-office</p>
<b>15.</b>	<p>Session: 15  <b>MS-Office Suite</b></p> <p>Introduction &amp; Working of Ms-Word 2010          Introduction &amp; Working of Ms- Excel 2010          Introduction to Ms- PowerPoint 2010</p>
<b>16.</b>	<p>Session: 16  <b>Microsoft Outlook</b></p> <p>Configuring Microsoft Outlook.          Difference between Outlook Express and MS outlook.          Managing E-Mail.          MS Outlook Data Protection.</p>



.#	Subject Details	
..	<b>Subject:</b>	<b>Udaan Server</b>
	Code:	Udaan Server
	Principle:	Udaan
	Udaan IMSS server	

.#	Sessions
l.	Session: 1 <b>Introduction to Windows Server 2008</b>  Introduction to Networking & its Components Difference between Domain Model & Workgroup Model Introduction to Windows Server 2008 Edition New features In Windows 2008 Difference between Windows Server Standard, Enterprise & Data Center Server and Server core.
l.	Session: 2 <b>Installing, Upgrading, and Deploying Windows Server 2008</b>  Planning Windows Server 2008 Installation and Upgrade  Selecting the Right Edition of Windows Server 2008  Windows Server 2008 Server Core  Installing Windows Server 2008  Upgrading from Windows Server 2003
l.	Session: 3 <b>Active Directory</b>  Introduction to Active Directory Active Directory Objects Active Directory Components Logical Structure Domains, Domain Trees, Forests & OUs Physical Structure Sites and Domain Controllers

<p><b>4.</b> Session: 4  <b>Active Directory Concepts</b></p> <p>Active Directory Concepts          Global Catalog          Replication          Trust Relationships</p>
<p><b>5.</b> Session: 5  <b>DNS</b></p> <p>DNS Namespace          Name Servers          Name Conventions</p>
<p><b>6.</b> Session: 6  <b>Active Directory Installation</b></p> <p>Active Directory Installation.          Domain Creation, Child Domain Creation          PDC &amp; ADC Promotion.</p>
<p><b>7.</b> Session: 7  <b>Active Directory Administrative Tools</b></p> <p>Active Directory Administration Tasks &amp; Tool          Active Directory Administrative Tools          Additional Active Directory Administrative Tools          The Microsoft Management Console (MMC)          Using predefined MMC          Using Customized MMC          Using MMCs for Remote Administration          Using RUNAS Command</p>
<p><b>8.</b> Session: 8  <b>Introducing Windows PowerShell</b></p> <ul style="list-style-type: none"> <li>❓ Preparing to Administer Active Directory Using Windows PowerShell</li> <li>❓ cmdlets</li> <li>❓ Parameters</li> <li>❓ Get-Help</li> <li>❓ Objects</li> </ul>

<ul style="list-style-type: none"> <li>? Variables</li> <li>? Pipeline</li> <li>? Aliases</li> <li>? Namespaces, Providers, and PSDrives</li> <li>? The Active Directory PowerShell Provider</li> <li>? Creating a User with Windows PowerShell</li> <li>? Populating User Attributes</li> <li>? Importing Users from a Database with Windows PowerShell</li> <li>? The Active Directory Administrative Center</li> </ul>
<p><b>9. Session: 9</b>  <b>User Account Administration</b></p> <ul style="list-style-type: none"> <li>Automating the Creation of User Accounts</li> <li>Creating Users with Templates</li> <li>Using Active Directory Command-Line Tools</li> <li>Creating Users with Dsadd</li> <li>Importing Users with CSVDE</li> <li>Importing Users with LDIFDE</li> <li>Automating the Creation of User Accounts</li> <li>Creating Users with Windows PowerShell and VBScript</li> <li>Introducing Windows PowerShell</li> <li>Understanding Windows PowerShell Syntax, Cmdlets, and Objects</li> <li>Getting Help</li> <li>Using Variables</li> <li>Using Aliases</li> <li>Namespaces, Providers, and PSDrives</li> <li>Creating a User with Windows PowerShell</li> <li>Importing Users from a Database with Windows PowerShell</li> <li>Executing a Windows PowerShell Script</li> </ul>
<p><b>10. Session: 10</b>  <b>User Profiles</b></p> <ul style="list-style-type: none"> <li>Creating User Profiles:</li> <li>User Profiles</li> <li>Local User Profiles</li> <li>Roaming User Profiles</li> </ul>

	Mandatory User Profiles
<b>11.</b>	<p>Session: 11</p> <p><b>Group Account Administration</b></p> <p>Group Account Administration:  Group &amp; Permissions  Group Types, Group Scopes &amp; Group Nesting.  Using Local Groups  Using Global &amp; Domain Local Using Universal Groups</p>
<b>12.</b>	<p>Session: 12</p> <p><b>Different Types of Groups</b></p> <p>Creating &amp; Deleting Different Groups  Making Users members of Groups  Understanding Default Groups  Predefined Groups, built-in Groups, built-in Local Groups &amp; Special Identity Groups  Groups for Administrators.  Administrators as members of Users &amp; Power Users Groups.</p>
<b>13.</b>	<p>Session: 13</p> <p><b>Organization Unit</b></p> <p>Organization Units  Concepts  Create OU &amp; nested OUs  Computer Accounts  What is Computer Account  Adding &amp; Deletion of computer accounts.</p>
<b>14.</b>	<p>Session: 14</p> <p><b>Group Policy Infrastructure</b></p> <p>Implementing Group Policy  An Overview and Review of Group Policy  Group Policy Objects  Policy Settings  Administrative Templates Node  Implementing Group Policy</p>
<b>15.</b>	<p>Session: 15</p> <p><b>Managing Group Policy Scope</b></p> <p>GPO Links  GPO Inheritance and Precedence  Using Security Filtering to Modify GPO Scope  WMI Filters  Enabling or Disabling GPOs and GPO Nodes</p>

	<p>Targeting Preferences  Group Policy Processing  Loopback Policy Processing  Configuring Group Policy Scope  Supporting Group Policy  Resultant Set of Policy  Examining Policy Event Logs  Configuring Group Policy Scope</p>
<b>16.</b>	<p>Session: 16  <b>Group Policy Settings</b></p> <p>Delegating the Support of Computers  Understanding Restricted Groups Policies  Delegating Administration Using Restricted Groups Policies with the Member Of Setting  Delegating Membership Using Group Policy  Managing Security Settings  Configuring the Local Security Policy  Managing Security Configuration with Security Templates  The Security Configuration Wizard  Settings, Templates, Policies, and GPOs  Managing Security Settings</p>
<b>17.</b>	<p>Session: 17  <b>Managing Software with Group Policy Software Installation</b></p> <p>Understanding Group Policy Software Installation  Preparing an SDP  Creating a Software Deployment GPO  Managing the Scope of a Software Deployment GPO  Maintaining Applications Deployed with Group Policy  GPSI and Slow Links  Managing Software with Group Policy Software Installation  Lesson 4: Auditing  Audit Policy  Auditing Access to Files and Folders  Auditing Directory Service Changes  Auditing</p>
<b>18.</b>	<p>Session: 18  <b>Authentication</b></p> <p>Configuring Password and Lockout Policies  Understanding Password Policies  Understanding Account Lockout Policies  Configuring the Domain Password and Lockout Policy  Fine-Grained Password and Lockout Policy</p>

	<p>Understanding Password Settings Objects          PSO Precedence and Resultant PSO          PSOs and OUs          Configuring Password and Lockout Policies          Auditing Authentication          Account Logon and Logon Events          Configuring Authentication- Related Audit Policies          Scoping Audit Policies          Viewing Logon Events          Auditing Authentication</p>
19.	<p>Session: 19  <b>Sharing &amp; Securing File System</b></p> <p>Sharing &amp; Securing File System          Administering Shared folders          Folders attributes /Sharing a folder          Assigning shared folder permissions          Connecting to a shared folder          How shared folder permission are applied.</p>
20.	<p>Session: 20  <b>Understanding NTFS</b></p> <p>Managing NTFS Permissions          Understanding NTFS Folder &amp; File permissions          Access Control List.          Multiple NTFS Permissions.          NTFS Permission inheritance.          Assigning special permissions.          Taking Ownership of a file or folder          Copying &amp; Moving Folders          Troubleshooting permission problems          Combing Shared folder permission &amp; NTFS permissions.</p>
21.	<p>Session: 21  <b>Configuring Read-Only Domain Controllers</b></p> <p>Authentication and Domain Controller Placement in a Branch Office          Read-Only Domain Controllers          Deploying an RODC          Password Replication Policy          Administer RODC Credentials Caching          Administrative Role Separation          Configuring Read-Only Domain Controllers</p>

<b>22.</b>	<p>Session: 22</p> <p><b>Integrating Domain Name System with AD DS</b></p> <p>Integrating Domain Name System with AD DS          DNS and IPv6          The Peer Name Resolution Protocol          DNS Structures          Understanding and Installing Domain Name System          Understanding DNS          Windows Server DNS Features          Integration with AD DS          Installing the DNS Service.</p>
<b>23.</b>	<p>Session: 23</p> <p><b>Lesson 2: Configuring and Using Domain Name System</b></p> <p>Configuring DNS          Forwarders vs. Root Hints          Single-Label Name Management          DNS and DHCP Considerations          Working with Application Directory Partitions          Administering DNS Servers          Finalizing a DNS Server Configuration in a Forest</p>
<b>24.</b>	<p>Session: 24</p> <p><b>Configuring Operations Masters</b></p> <p>Understanding Single Master Operations          Forest-Wide Operations Master Roles          Domain-Wide Operations Master Roles          Placing Operations Masters          Identifying Operations Masters          Transferring Operations Master Roles          Recognizing Operations Master Failures          Seizing Operations Master Roles          Returning a Role to Its Original Holder          Transferring Operations Master Roles</p>
<b>25.</b>	<p>Session: 25</p> <p><b>Sites and Replication</b></p> <p>Configuring Sites and Subnets          Understanding Sites          Planning Sites          Defining Sites          Managing Domain Controllers in Sites          Understanding Domain Controller Location</p>

	Configuring Sites and Subnets
<b>26.</b>	<p>Session: 26</p> <p><b>Configuring the Global Catalog and Application Directory Partitions</b></p> <p>Reviewing Active Directory Partitions          Understanding the Global Catalog          Placing GC Servers          Configuring a Global Catalog Server          Universal Group Membership Caching          Understanding Application Directory Partitions          Replication and Directory Partitions</p>
<b>27.</b>	<p>Session: 27</p> <p><b>Configuring Replication</b></p> <p>Understanding Active Directory Replication          Connection Objects          The Knowledge Consistency Checker          Intrasite Replication          Site Links          Bridgehead Servers          Configuring Intersite Replication          Monitoring Replication          Configuring Replication</p>
<b>28.</b>	<p>Session: 28</p> <p><b>Domains and Forests</b></p> <p>Understanding Domain and Forest Functional Levels          Understanding Functional Levels          Domain Functional Levels          Forest Functional Levels          Raising the Domain and Forest Functional Levels          Managing Multiple Domains and Trust Relationships          Defining your Forest and Domain Structure          Moving Objects Between Domains and Forests          Understanding Trust Relationships          Authentication Protocols and Trust Relationships          Manual Trusts          Administering Trusts          Securing Trust Relationships          Administering a Trust Relationship</p>
<b>29.</b>	<p>Session: 29</p> <p><b>Introduction to Backup</b></p> <p>Introduction to Backup</p>



	<p>Describe Different Types of Backup</p> <p>i.e Incremental, Differential, Full, Normal, Copy Backup</p> <p>Active Directory backup and restore.</p>
<b>30.</b>	<p>Session: 30</p> <p><b>Creating a DHCP Infrastructure</b></p> <p>4 Creating a DHCP Infrastructure</p> <p>Lesson 1: Installing a DHCP Server</p> <p>Understanding DHCP Address Assignment</p> <p>Adding the DHCP Server Role</p> <p>Deploying a DHCP Server</p>
<b>31.</b>	<p>Session: 31</p> <p><b>Configuring a DHCP Server</b></p> <p>Configuring a DHCP Server</p> <p>Performing Post-installation Tasks</p> <p>Understanding DHCP Options Classes</p> <p>Creating an Exclusion Range</p>
<b>32.</b>	<p>Session: 32</p> <p><b>Configuring Understanding Name Resolution in Windows Server 2008</b></p> <p>Configuring Name Resolution</p> <p>Understanding Name Resolution in Windows Server 2008</p> <p>Networks</p> <p>Name Resolution Methods in Windows</p> <p>What Is Link Local Multicast Name Resolution (LLMNR)</p> <p>What Is NetBIOS Name Resolution</p> <p>What Is DNS Name Resolution</p> <p>DNS Components</p> <p>Understanding How a DNS Query Works</p> <p>Understanding How Caching Works</p> <p>Exploring Automatic Name Resolution in Local Networks</p>
<b>33.</b>	<p>Session: 33</p> <p><b>Deploying a DNS Server</b></p> <p>Deploying a DNS Server on a Domain Controller</p> <p>Deploying a DNS Server on a Stand-alone or Member Server</p> <p>Deploying a DNS Server on a Server Core Installation of Windows</p>

	<p>Server 2008</p> <ul style="list-style-type: none"> <li>Configuring a Caching-only DNS Server</li> <li>Configuring Server Properties</li> <li>Exploring DNS in an Active Directory Environment</li> </ul>
<b>34.</b>	<p>Session: 34</p> <p><b>Configuring DNS Client Settings</b></p> <ul style="list-style-type: none"> <li>Specifying DNS Servers</li> <li>Specifying a Computer Name and DNS Suffixes</li> <li>Configuring a Suffix Search List</li> <li>Configuring Dynamic Update Settings</li> <li>Viewing and Clearing the DNS Client Cache</li> <li>Managing the DNS Client Cache</li> </ul>
<b>35.</b>	<p>Session: 35</p> <p><b>Configuring a DNS Zone Infrastructure</b></p> <ul style="list-style-type: none"> <li>Configuring a DNS Zone Infrastructure</li> <li>Creating and Configuring Zones</li> <li>Creating Zones</li> <li>Examining Built-in Resource Records</li> <li>Creating Resource Records</li> <li>Enabling DNS to Use WINS Resolution</li> <li>Aging and Scavenging</li> <li>Using a GlobalNames Zone</li> <li>Deploying a GlobalNames Zone</li> </ul>
<b>36.</b>	<p>Session: 36</p> <p><b>Configuring Zone Replication and Transfers</b></p> <ul style="list-style-type: none"> <li>Configuring Zone Replication for Active Directory Integrated Zones</li> <li>Using Zone Transfers</li> <li>Implementing Stub Zones</li> <li>Creating an Application Directory Partition for DNS</li> <li>Deploying a Secondary Zone</li> </ul>
<b>37.</b>	<p>Session: 37</p> <p><b>5 Configuring IP Routing</b></p> <ul style="list-style-type: none"> <li>Routing</li> <li>Routing Overview</li> <li>Examining Network Routes</li>   <li>Routing Protocols</li> <li>Static Routing</li> </ul>

<b>38.</b>	<p>Session: 38</p> <p><b>Routing Protocols</b></p> <p>Analyzing and Configuring Dynamic Routing</p> <p>DHCP Relay agent</p>
<b>39.</b>	<p>Session: 39</p> <p><b>Protecting Network Traffic with IPSec</b></p> <p>Configuring IPSec</p> <p>What Is IPSec</p> <p>Using IPSec in Tunnel Mode</p> <p>Authentication Methods for IPSec</p> <p>Assigning a Predefined IPSec Policy</p> <p>Creating a New IPSec Policy</p> <p>Creating and Configuring a Connection Security Rule</p> <p>Deploying IPSecThroughIPSec Policies and Connection Security Rules</p>
<b>40.</b>	<p>Session: 40</p> <p><b>Connecting to Networks</b></p> <p>Configuring Network Address Translation</p> <p>Network Address Translation Concepts</p> <p>Configuring Internet Connection Sharing</p> <p>Configuring Network Address Translation Using Routing AndRemoteAccess</p> <p>Troubleshooting Network Address Translation</p> <p>Configuring NAT</p>
<b>41.</b>	<p>Session: 41</p> <p><b>Connecting to Remote Networks</b></p> <p>Remote Access Overview</p> <p>Configuring Dial-up Connections</p> <p>Configuring VPN Connections</p> <p>Troubleshooting VPN Connection Problems</p> <p>Configuring Connection Restrictions</p> <p>Testing Connectivity</p> <p>Establishing a Remote Access VPN Connection</p>
<b>42.</b>	<p>Session: 42</p> <p><b>Configuring Windows Firewall and Network Access Protection</b></p> <p>Configuring Windows Firewall</p> <p>Why Firewalls Are Important</p> <p>Firewall Profiles</p> <p>Filtering Inbound Traffic</p> <p>Filtering Outbound Traffic</p>

	<p>Configuring Scope          Authorizing Connections          Configuring Firewall Settings with Group Policy          Enabling Logging for Windows Firewall          Identifying Network Communications          Configuring Windows Firewall</p>
<b>43.</b>	<p>Session: 43  <b>Configuring Network Access Protection</b></p> <p>Network Access Protection Concepts          Planning a NAP Deployment          Installing and Configuring the Network Policy Server          Configuring NAP Enforcement          Configuring NAP Components          NAP Logging          Configuring DHCP NAP Enforcement</p>
<b>44.</b>	<p>Session: 44  <b>Managing Software Updates</b></p> <p>Lesson 1: Understanding Windows Server Update Services          WSUS Overview          Windows Update Client          WSUS Architecture          WSUS Requirements          Planning the WSUS Installation          Auditing Updates</p>
<b>45.</b>	<p>Session: 45  <b>Using Windows Server Update Services</b></p> <p>How to Install Windows Server Update Services          How to Configure Windows Server Update Services          How to Troubleshoot Problems Installing Updates          How to Remove Updates          Deploying Updates with WSUS</p>
<b>46.</b>	<p>Session: 46  <b>Monitoring Computers</b></p> <p>Monitoring Event Logs          Event Forwarding Concepts          How to Configure Event Forwarding          Collecting Events          Monitoring Performance and Reliability</p>

	<p>Performance Monitor          Reliability Monitor          Data Collector Sets          Run a Data Collector Set and Analyze the Results</p>
<b>47.</b>	<p>Session: 47  <b>Monitoring Computers</b></p> <p>Monitoring Event Logs          Event Forwarding Concepts          How to Configure Event Forwarding          Collecting Events</p> <p>Monitoring Performance and Reliability          Performance Monitor          Reliability Monitor          Data Collector Sets          Run a Data Collector Set and Analyze the Results</p>
<b>48.</b>	<p>Session: 48  <b>Automated Server Deployment</b></p> <p>Windows Server 2008 Answer Files</p> <p>Windows Deployment Services</p> <p>Multicast, Scheduled, and Automatic Deployment</p> <p>Rollback Preparation</p>
<b>49.</b>	<p>Session: 49  <b>Automated Server Deployment</b></p> <p>Adding Boot image, install images,          discover image and capture image.</p>
<b>50.</b>	<p>Session: 50  <b>Terminal Services and Application and Server Virtualization</b></p> <p>Terminal Services</p> <p>Planning Terminal Server Infrastructure</p> <p>Terminal Services Licensing</p> <p>Configuring Terminal Servers</p>

<b>51.</b>	Session: 51 <b>Terminal Services Web Access</b>  Terminal Server Session Broker  Monitoring Terminal Services  Terminal Services Gateway  Remote FX,Remote App
<b>52.</b>	Session: 52 <b>File and Print Servers</b>  Managing File and Print Servers  Planning the File Services Server Role  Managing Access Control Using FSRM to Configure Quotas and File Screen Policy  Planning the Print Services Server Role

Sl.#	Subject Details	
1.	<b>Subject:</b>	<b>Udaan Exchange</b>
	Code:	Udaan Exchange
	Principle:	Udaan
	Udaan Exchange	

Sl.#	Sessions
1.	<p>Session: 1</p> <p><b>Introduction to Exchange Server</b></p> <p>Deploying Microsoft Exchange Server 2010            Introduction to Exchange Server,            History Introduction to Exchange Server,            Whats new in Exchange Server 2010 Whats the difference between Exchange server 2007 &amp;            Exchange 2010 Exchange messaging system.</p>
2.	<p>Session: 2</p> <p><b>Installing Exchange Server 2010</b></p> <p><b>Introduction to Exch 2010 Roles.</b>            Mailbox, CAS, hub transport, edge transport, UM            Installation of exch 2010 requirements                hardware requirements                Software requirements</p>
3.	<p>Session: 3</p> <p><b>Completing an Exchange Server 2010 Installation</b></p> <p><b>Lesson 3:</b> Completing an Exchange Server 2010 Installation</p> <p><b>Lab B:</b> Verifying an Exchange Server 2010 Installation</p>
4.	<p>Session: 4</p> <p><b>Overview of Exchange Server 2010 Administrative Tools</b></p> <p><b>Lesson 1:</b> Overview of Exchange Server 2010 Administrative Tools</p> <p><b>Lesson 2:</b> Configuring Mailbox Server Roles</p> <p><b>Lab:</b> Configuring Mailbox Servers</p>
5.	<p>Session: 5</p> <p><b>Configuring Public Folders</b></p> <p><b>Lesson 3:</b> Configuring Public Folders</p>

	Configure public folders for high availability.
<b>6.</b>	<p>Session: 6</p> <p><b>Managing Mailboxes</b></p> <p><b>Lesson 1:</b> Managing Mailboxes</p> <p><b>Lesson 2:</b> Managing Other Recipients</p> <p><b>Lab:</b> Managing Exchange Recipients</p>
<b>7.</b>	<p>Session: 7</p> <p><b>Configuring E-mail Address Policies</b></p> <p><b>Lesson 3:</b> Configuring E-mail Address Policies</p> <p><b>Lesson 4:</b> Configuring Address Lists</p> <p><b>Lesson 5:</b> Performing Bulk Recipient Management Tasks</p>
<b>8.</b>	<p>Session: 8</p> <p><b>Managing Client Access</b></p> <p><b>Managing Client Access</b></p> <p><b>Lesson 1:</b> Configuring the Client Access Server Role</p> <p><b>Lesson 2:</b> Configuring Client Access Services for Outlook Clients</p>
<b>9.</b>	<p>Session: 9</p> <p><b>Configuring Client Access Servers for Outlook Anywhere Access</b></p> <p>Configuring Client Access Servers for Outlook Anywhere Access</p>
<b>10.</b>	<p>Session: 10</p> <p><b>Configuring Outlook Web App</b></p> <p><b>Lesson 3:</b> Configuring Outlook Web App</p> <p>Configure RBAC.</p>
<b>11.</b>	<p>Session: 11</p> <p><b>Configuring Mobile Messaging</b></p> <p><b>Lesson 4:</b> Configuring Mobile Messaging</p> <p><b>Lab B:</b> Configuring Client Access Servers for Outlook Web App</p> <p>and Exchange ActiveSync</p>
<b>12.</b>	<p>Session: 12</p> <p><b>Managing Message Transport</b></p> <p><b>Managing Message Transport</b></p> <p><b>Lesson 1:</b> Overview of Message Transport</p>



	<p><b>Lesson 2:</b> Configuring Message Transport</p> <p><b>Lab:</b> Managing Message Transport</p>
13.	<p>Session: 13</p> <p><b>Configuring Message Transport</b></p> <p><b>Lesson 2:</b> Configuring Message Transport</p> <p><b>Lab:</b> Managing Message Transport</p>
14.	<p>Session: 14</p> <p><b>Implementing Messaging Security</b></p> <p><b>Implementing Messaging Security</b></p> <p><b>Lesson 1:</b> Deploying Edge Transport Servers</p> <p><b>Lab A:</b> Configuring Edge Transport Servers</p>
15.	<p>Session: 15</p> <p><b>Configuring an Anti-Spam Solution</b></p> <p><b>Lesson 2:</b> Configuring an Anti-Spam Solution</p> <p><b>Lesson 3:</b> Configuring Secure SMTP Messaging</p> <p><b>Lab B:</b> Implementing Anti-Spam Solutions</p>
16.	<p>Session: 16</p> <p><b>Configuring Secure SMTP Messaging</b></p> <p><b>Lesson 3:</b> Configuring Secure SMTP Messaging</p>
17.	<p>Session: 17</p> <p><b>MONITORING AND REPORTING</b></p> <p><b>MONITORING AND REPORTING</b></p> <p>Monitor databases.</p> <p>Monitor mail flow.</p> <p>Monitor connectivity.</p> <p>Generate reports.</p> <p>Configure logging.</p>
18.	<p>Session: 18</p> <p><b>Configure message integrity</b></p> <p>Configure message integrity</p>
19.	<p>Session: 19</p> <p><b>Perform backup and restore of data.</b></p>

	Perform backup and restore of data.
<b>20.</b>	Session: 20 <b>Back up and recover server roles</b>  Back up and recover server roles
<b>21.</b>	Session: 21 <b>Create and configure the Database Availability Group (DAG)</b>  Create and configure the Database Availability Group (DAG)

Subject Details	
<b>Subject:</b>	<b>Udaan CCNA</b>
<b>Code:</b>	Udaan CCNA
<b>Principle:</b>	Udaan
Udaan CCNA	

#	Sessions
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Session: 1

**INTERNETWORKING CONCEPTS OVERVIEW**

The OSI Reference Model

Data Encapsulation Process

Functions of Each layer in OSI Model

Introduction to Media types and its characteristics

Operation of IP Data Networks

Recognize the purpose and functions of various network devices such as Routers, Switches, Bric Hubs.

Select the components required to meet a given network specification.

Identify common applications and their impact on the network

Describe the purpose and basic operation of the protocols in the OSI and TCP/IP models.

Predict the data flow between two hosts across a network.

Identify the appropriate media, cables, ports, and connectors to connect Cisco network devices network devices and hosts in a LAN

	<p>Identify common applications and their impact on the network</p> <p>Describe the purpose and basic operation of the protocols in the OSI and TCP/IP models.</p> <p>Predict the data flow between two hosts across a network.</p> <p>Identify the appropriate media, cables, ports, and connectors to connect Cisco network devices to other network devices and hosts in a LAN</p>
<b>2.</b>	<p>Session: 2</p> <p><b>INTERNETWORKING CONCEPTS OVERVIEW</b></p> <p>The brief discussion about TCP/IP Model</p> <p>Cisco Hierarchical Network Design Model</p> <p>Core Layer</p> <p>Distribution Layer</p> <p>Access Layer</p> <p>IP Addressing Basics</p> <p>Defining Custom Subnet Masks</p> <p>Defining Ranges of IP Addresses</p>
<b>3.</b>	<p>Session: 3</p> <p><b>INTERNETWORKING CONCEPTS OVERVIEW</b></p> <p>TCP/IP Address(IPV4) Overview</p> <p>IP addressing classes</p> <p>Subnetting, VLSM</p> <p>Classless Inter-Domain Routing (CIDR) and IP Supernetting</p> <p><b>ASSEMBLING AND CABLING CISCO DEVICES</b></p> <p><b>ASSEMBLING AND CABLING CISCO DEVICES</b></p> <p>Introduction to routers</p> <p>Router Series and models</p> <p>Router External Components</p> <p>Router Internal Components</p> <p>Cisco IOS Versions</p>
<b>4.</b>	<p>Session: 4</p> <p><b>OPERATING AND CONFIGURING A CISCO IOS DEVICE</b></p> <p>Introduction to Cisco internetworking Devices</p> <p>Basic Operation of Cisco IOS Software,</p> <p>Understanding Universal Cisco IOS and its Licensing</p>

	<p>Keyboard Help in the Switch or Router Command Line Interface</p> <p>Commands to Get Basic Switch or Router Information</p> <p>Configuring a Switch and Router from the Command Line</p> <p>Cisco IOS commands</p> <p>Configuration Modes</p> <p>Interface configuration</p> <p>Line configuration</p> <p>Password configuration</p>
5.	<p>Session: 5</p> <p><b>MANAGING YOUR NETWORK ENVIRONMENT</b></p> <p>Gathering Information About Neighboring Devices (CDP).</p> <p>Gathering Information About Remote Devices , HTTP,SSH,and SDM</p> <p>Managing Multiple telnet sessions</p> <p>Documenting the Network</p> <p>Diagnostic Utilities: Ping</p> <p>Diagnostic Utilities: Traceroute</p>
6.	<p>Session: 6</p> <p><b>MANAGING YOUR NETWORK ENVIRONMENT</b></p> <p>Router Boot Sequence and Verification Commands</p> <p>Managing Cisco IOS Software Images</p> <p>Commands to Load and Back Up Cisco IOS Software Image Files.</p> <p>Listing Commands Used to Control Router Bootup and Cisco IOS Image Backup</p>
7.	<p>Session: 7</p> <p><b>MANAGING YOUR NETWORK ENVIRONMENT</b></p> <p>Discussing the operation and benefits of using DHCP and DNS,</p> <p>Configure, verify and troubleshoot DHCP and DNS operation on a router.</p>
8.	<p>Session: 8</p> <p><b>MANAGING YOUR NETWORK ENVIRONMENT</b></p> <p>Configuring SNMP version 1, 2, 3</p> <p>Configuring Netflow on Cisco Router for traffic analysis</p> <p>Configuring Router and Switch as NTP Client</p>
9.	<p>Session: 9</p> <p><b>DETERMINING IP ROUTES</b></p> <p>Introduction to Routing</p> <p>Understanding the Routing process</p> <p>Routed and Routing Protocols</p> <p>Routed Network A Simple Example</p> <p>Routed Network A More Complex Example</p> <p>Static Routing</p>

	<p>Configure Static Routing</p> <p>Configure Default Routing</p>
<b>10.</b>	<p>Session: 10</p> <p><b>ROUTING PROTOCOL OVERVIEW</b></p> <p>Dynamic Routing</p> <p>Distance Vector Routing Protocols</p> <p>Routing Information Protocol (RIP)</p> <p>Multiple Paths</p> <p>Routing Loops</p> <p>Avoiding Routing Loops</p> <p>Discussing Difference between RIPver1 &amp; 2</p>
<b>11.</b>	<p>Session: 11</p> <p><b>Configuring RIP ver 1 &amp; 2</b></p> <p>Configuring Router Smmarization (Dynamic and manual)</p> <p>Configuring IP default Network on RIP</p> <p>Configuring RIP ver 2 Authentication</p> <p>Monitoring &amp; troubleshooting RIP</p>
<b>12.</b>	<p>Session: 12</p> <p><b>INTRODUCING LINK STATE ROUTING PROTOCOL OSPF</b></p> <p>OSPF protocol and Operations</p> <p>OSPF terminology and Packet Type</p> <p>Discussing OSPF Protocol States</p> <p>DR and BDR Election process</p> <p>Configuring OSPF with single area.</p> <p>Configure and verify OSPF (single area)</p> <p>neighbor adjacencies</p> <p>OSPF states</p> <p>Router ID</p> <p>LSA types</p>
<b>13.</b>	<p>Session: 13</p> <p><b>OSPF configuration with Multi Area</b></p> <p>OSPF configuration with Multi Area</p> <p>Configuring OSPF in BMA environment</p> <p>Configuring Load balancing in OSPF</p> <p>Configuring OSPF authentication</p> <p>Monitoring and troubleshooting OSPF</p>
<b>14.</b>	<p>Session: 14</p> <p><b>INTRODUCING EIGRP</b></p> <p>EIGRP operations</p>

	DUAL Algorithm features Discussing backward compatibility with IGRP
<b>15.</b>	Session: 15 <b>Configuring &amp; implementing EIGRP</b> Configuring & implementing EIGRP Configuring Authentication Configuring IP default network Configuring Load balancing in EIGRP
<b>16.</b>	Session: 16 <b>BASIC IP TRAFFIC MANAGEMENT WITH ACCESS LISTS</b> Introduction to Access List Access List Functions and Operations TCP/IP Access Lists Standard IP Access List Configuration Extended IP Access Lists Named access-list Controlling VTY Access with Access Class entries Wildcard Masks Access-list Guidelines Time Based Access-list Reflexive Access-list
<b>17.</b>	Session: 17 <b>Implementing Standard IP Access Lists</b> Implementing Standard IP Access Lists Implementing Extended IP Access Lists Implementing Named Access-list Implementing VTY access list Implementing time based access-list Implementing reflexive access-list Verifying and Monitoring Access Lists
<b>18.</b>	Session: 18 <b>SCALING IP ADDRESS SPACE</b> Type of Address Translations (NAT, PAT), Type of NAT (Static, Dynamic, Overloading).
<b>19.</b>	Session: 19 <b>SCALING IP ADDRESS SPACE</b> Introduction to WAN Technologies WAN Technologies and the OSI Model WAN Connectivity Point-to-Point Links (Leased Lines)

	<p>Circuit Switching</p> <p>Packet Switching</p> <p>Introduction to different WAN protocols</p> <p>Identify different WAN Technologies</p> <p>Metro Ethernet, VSAT, Cellular, 3G / 4G, MPLS, T1 / E1, ISDN, Cable, DSL</p> <p>ISDN.</p>
<b>20.</b>	<p>Session: 20</p> <p><b>WAN TECHNOLOGIES</b></p> <p>WAN Equipment</p> <p>Carrier Line Systems and Speeds</p> <p>HDLC theory and Configuration</p> <p>Point-to-Point Protocol (PPP)</p> <p>PPP Configuration</p> <p>PPP Authentication (PAP &amp; CHAP)</p>
<b>21.</b>	<p>Session: 21</p> <p><b>ESTABLISHING A FRAME RELAY PVC CONNECTION</b></p> <p>Introduction to frame relay</p> <p>Frame relay terminologies</p> <p>Frame Relay Committed Information Rate (CIR)</p> <p>Frame Relay Data Link Connection Identifiers (DLCIs)</p> <p>Frame Relay Encapsulation</p> <p>Frame Relay Local Management Interface (LMI)</p> <p>Frame Relay Interfaces and Connections</p> <p>Frame Relay Congestion Management</p> <p>Frame Relay Communications</p>
<b>22.</b>	<p>Session: 22</p> <p><b>Frame Relay Configuration</b></p> <p>Frame Relay Configuration in Full Mesh, Partial Mesh and Star topology.</p> <p>Configuring Frame Relay Point to point, Multipoint sub interfaces</p>
<b>23.</b>	<p>Session: 23</p> <p><b>Frame Relay Configuration</b></p> <p>Discussion on Cable network</p> <p>Introduction to Broad Band connection</p> <p>Different types of DSL</p>
<b>24.</b>	<p>Session: 24</p> <p><b>Frame Relay Configuration</b></p> <p>Introduction to VPN</p> <p>Differt types of VPN</p> <p>Discussing confidentiality, integrity and authentication</p>



	<p>Configuring Site to Site IPSec VPN Tunnel</p> <p>Configure and verify GRE Tunnel</p>
<b>25.</b>	<p>Session: 25</p> <p><b>IP Services</b></p> <p>Recognize High availability (FHRP)</p> <p>VRRP</p> <p>HSRP</p> <p>GLBP</p> <p>Configure and verify Syslog</p> <p>Utilize Syslog Output</p> <p>integration of logs with ACL's</p> <p>Integration of Logs with user login to Router and Switch</p>
<b>26.</b>	<p>Session: 26</p> <p><b>IPV6</b></p> <p>Benefits of IPV6 over IPv4</p> <p>IPV6 Operations</p> <p>IPv6 Addressing and Format</p> <p>IPv6 address classification</p> <p>Describe IPv6 addresses</p> <p>Global unicast</p> <p>Multicast</p> <p>Link local</p> <p>Unique local</p> <p>eui 64</p> <p>autoconfiguration</p> <p>understanding stateless and stateful auto configuration</p> <p>Configuring IPv6 routing on Cisco IOS router</p>
<b>27.</b>	<p>Session: 27</p> <p><b>IPV6</b></p> <p>Introduction to IPv6 Routing Protocols (RIPng, EIGRP and OSPF)</p> <p>Configuring and verifying IPv6 RIPng</p> <p>Configuring and verifying IPv6 EIGRP</p> <p>Configuring and verifying IPv6 OSPF</p>

<b>28.</b>	<p>Session: 28</p> <p><b>Switching</b></p> <p>Switching Reviewed</p> <p>Switching process</p> <p>Store-and-Forward Switching</p> <p>Cut-Through Switching</p> <p>Spanning Tree Protocol (STP)</p> <p>STP Port roles and Port states</p>
<b>29.</b>	<p>Session: 29</p> <p><b>Advance STP i.e. RSTP and PVST</b></p> <p>Advance STP i.e. RSTP and PVST</p> <p>Configuring RSTP</p> <p>Monitoring and troubleshooting STP</p>
<b>30.</b>	<p>Session: 30</p> <p><b>Virtual LANs (VLANs)</b></p> <p>Virtual LANs (VLANs)</p> <p>Benefits of VLANs</p> <p>VLAN Types</p> <p>Trunking and VLAN Identification</p> <p>VLAN Trunking Protocol (VTP)</p> <p>VTP Pruning</p> <p>Configuring a Cisco 2900 Series Switch</p> <p>Powering the Switch</p> <p>Initial Switch Configuration</p>
<b>31.</b>	<p>Session: 31</p> <p><b>Configuring Switch Ports</b></p> <p>Configuring Switch Ports</p> <p>Configuring MAC Address Table Configuring Switch port Security Settings</p> <p>Configuring VLANs Configuring ISL and Dot1Q Trunk Links</p> <p>Configuring Spanning Tree Protocol Costs</p> <p>Configuring Switch Ports</p> <p>MAC Address Table and Security Settings</p>

	<p>Configuring Inter VLAN routing using Router on a stick</p> <p>Describe basic inter vlan routing concepts</p> <p>CEF</p> <p>Configuring SVI interfaces for Inter VLAN routing using Layer 3 switch</p>
<b>32.</b>	<p>Session: 32</p> <p><b>Troubleshooting</b></p> <p>Troubleshoot and correct common problems associated with IP addressing and host configuration:</p> <p>Troubleshoot and Resolve VLAN problems</p> <p>identify that VLANs are configured</p> <p>port membership correct</p> <p>IP address configured</p> <p>Troubleshoot and Resolve trunking problems on Cisco switches</p> <p>correct trunk states</p> <p>correct encapsulation configured</p> <p>correct vlans allowed</p>
<b>33.</b>	<p>Session: 33</p> <p><b>Troubleshooting</b></p> <p>Troubleshoot and Resolve OSPF problems</p> <p>Neighbor Adjacencies</p> <p>Hello and Dead timers</p> <p>OSPF area</p> <p>Interface MTU</p> <p>Network types</p> <p>Neighbor states</p> <p>OSPF topology database</p> <p>Troubleshoot and Resolve EIGRP problems</p> <p>neighbor adjancies</p> <p>AS number</p> <p>Load balancing</p> <p>Split horizon</p>
<b>34.</b>	<p>Session: 34</p> <p><b>Troubleshooting</b></p> <p>Troubleshoot and Resolve interVLAN routing problems</p> <p>Connectivity</p> <p>Encapsulation</p> <p>Subnet</p> <p>Native VLAN</p> <p>Port mode trunk status</p>

Troubleshoot and Resolve WAN implementation issues

Serial interfaces

PPP

Frame relay

Monitor NetFlow statistics

Troubleshoot etherchannel problems

Sl.#	Subject Details	
1.	<b>Subject:</b>	<b>Udaan CCNP Routing</b>
	Code:	Udaan CCNP Routing
	Principle:	Udaan
	CCNP Routing	

Sl.#	Sessions
1.	<p><b>Session: 1</b> <b>Describing Network Requirements</b></p> <p>Describing Network Requirements</p> <p>Cisco Network Models</p> <p>Enterprise Composite Network Model</p> <p>Traffic Conditions in a Converged Network</p> <p>Cisco SONA Framework and IIN</p> <p>Routing and Routing Protocols</p>
2.	<p><b>Session: 2</b> <b>Introducing EIGRP</b></p> <p>Introducing EIGRP</p> <p>EIGRP Capabilities and Attributes</p> <p>Underlying Processes and Technologies</p> <p>EIGRP Operation</p> <p>EIGRP Tables</p> <p>EIGRP Metric, Calculating the EIGRP Metric</p> <p>Implementing and Verifying EIGRP</p> <p>Configuring Basic EIGRP</p>

	Using a Wildcard Mask in EIGRP
	Configuring the ip default-network Command
	Configuring the MD5 Authentication
<b>3.</b>	<b>Session: 3</b> <b>Configuring Advanced EIGRP Options</b>
	Configuring Advanced EIGRP Options
	Route Summarization
	Configuring Manual Route Summarization
	Load Balancing Across Equal Paths
	Configuring Load Balancing Across Unequal-Cost Paths using Variance
	EIGRP Bandwidth Use across WAN Links
	Configuring EIGRP Bandwidth Use across WAN Links
	WAN Configuration Frame Relay Hub-and-Spoke Topology
<b>4.</b>	<b>Session: 4</b> <b>Using EIGRP in an Enterprise Network</b>
	Using EIGRP in an Enterprise Network
	Scalability in Large Networks
	EIGRP Queries
	EIGRP Stubs
	Limiting Updates and Queries: Using EIGRP Stub
	EIGRP stub Parameters
	SIA Connections
	Preventing SIA Connections Graceful Shutdown
<b>5.</b>	<b>Session: 5</b> <b>Introducing the OSPF Protocol</b>

Introducing the OSPF Protocol
Link-State Routing Protocols
Calculating the OSPF Metric
Link-State Data Structures
OSPF Packets
OSPF Neighbor Adjacencies
OSPF States, Exchanging and Synchronizing LSDBDs
Link-State Advertisements
OSPF Hierarchical Routing
OSPF Router Types
OSPF Area Structure
Maintaining Network Routes
Maintaining Link-State Sequence Numbers
<b>6. Session: 6</b>
<b>OSPF LSA Types</b>
OSPF LSA Types
OSPF Virtual Links
Configuring OSPF Routing
Configuring Basic Single-Area and Multi-area OSPF
Configuring OSPF on Internal Routers of a Single Area
Configuring OSPF for Multiple Areas
Interpreting the OSPF LSDBD and Routing Table

	Interpreting the OSPF Database
	Configuring OSPF LSDBD Overload Protection
	Changing the Cost Metric
	Configuring a Router ID
	Verifying the OSPF Router ID
	Verifying OSPF Operation
	The show ip route ospf Command
	The show ip ospf interface Command
	The show ip ospf neighbor Command
<b>7.</b>	<b>Session: 7</b>
	<b>OSPF Route Summarization</b>
	OSPF Route Summarization
	Using Route Summarization
	Configuring OSPF Route Summarization
	Route Summarization Configuration at ABR
	Route Summarization Configuration at ASBR
	Benefits of a Default Route in OSPF
	Default Routes in OSPF
	Configuring a Default Route in OSPF
	Default Route Configuration
<b>8.</b>	<b>Session: 8</b>
	<b>Introducing OSPF Network Types</b>
	Introducing OSPF Network Types
	Adjacency Behavior for a Point-to-Point Link



Adjacency Behavior for a Broadcast Network Link
Selecting the DR and BDR
Adjacency Behavior for an NBMA Network
OSPF over Frame Relay Configuration Options
Sample Configuration of a Router Using OSPF Broadcast Mode
OSPF over Frame Relay NBMA Configuration
neighbor Command
OSPF over Frame Relay Point-to-Multipoint Configuration
Point-to-Multipoint Configuration
Using Subinterfaces in OSPF over Frame Relay Configuration
Point-to-Point Subinterface
Multipoint Subinterface
OSPF over NBMA Topology Summary
Tracking OSPF Adjacencies
<b>9. Session: 9</b>
<b>Configuring Special Area Types</b>
Configuring OSPF Special Area Types
Configuring OSPF Area Types
Configuring Stub Areas
Configuring Totally Stubby Areas
Interpreting Routing Tables
Routing Table in a Standard Area
Routing Table in a Stub Area

Routing Table in a Stub Area with Summarization
Routing Table in a Totally Stubby Area
Configuring NSSAs
<b>10. Session: 10</b> <b>Route Redistribution</b>
Operating a Network Using Multiple IP Routing Protocols
Using Multiple IP Routing Protocols
Defining Route Redistribution
Using Seed Metrics
Configuring Redistribution
Redistributing Routes into RIP
Redistributing Routes into OSPF
Redistributing Routes into EIGRP
Verifying Route Redistribution
<b>11. Session: 11</b> <b>Controlling Routing Update Traffic</b>
Controlling Routing Update Traffic
Configuring a Passive Interface
Configuring Route Filtering Using Distribute Lists
Implementing the Distribute List
Defining Route Maps
Using route-map Commands
Implementing Route Maps with Redistribution
Defining Administrative Distance

<p>Modifying Administrative Distance</p> <p>Path Control Using Policy based Routing</p> <p>IP service level agreement</p>
<p><b>12. Session: 12</b> <b>Using BGP in an Enterprise Network</b></p> <p style="background-color: #e0e0e0;">Explaining BGP Concepts and Terminology</p> <p>Using BGP in an Enterprise Network</p> <p>BGP Multihoming Options</p> <p>BGP Routing Between Autonomous Systems</p> <p>BGP Is Used Between Autonomous Systems</p> <p>AS Numbers</p> <p>Comparison with IGPs</p> <p>Path-Vector Functionality</p> <p>Features of BGP</p> <p>BGP Message Types</p>
<p><b>13. Session: 13</b> <b>Explaining EBGP and IBGP</b></p> <p style="background-color: #e0e0e0;">Explaining EBGP and IBGP</p> <p>BGP Neighbor Relationships</p> <p>Establishing EBGP Neighbor Relationships</p> <p>Establishing IBGP Neighbor Relationships</p> <p>IBGP on All Routers in Transit Path</p> <p>IBGP in a Transit AS</p> <p>IBGP in a Non transit AS</p>

TCP and Full Mesh
<p><b>14. Session: 14</b>  <b>Configuring Basic BGP Operations</b></p> <p>Configuring Basic BGP Operations</p> <p>Initiate Basic BGP Configuration</p> <p>Activate a BGP Session</p> <p>The BGP neighbor Command</p> <p>Shutting Down a BGP Neighbor</p> <p>BGP Configuration Considerations</p> <p>Identifying BGP Neighbor States</p> <p>Authenticating in BGP</p> <p>Troubleshooting BGP</p> <p>Implementing the GRE Tunnel for BGP</p>
<p><b>15. Session: 15</b>  <b>Selecting a BGP Path</b></p> <p>Selecting a BGP Path</p> <p>Characteristics of BGP Attributes</p> <p>AS Path Attribute</p> <p>Next-Hop Attribute</p> <p>Origin Attribute</p> <p>Local Preference Attribute</p> <p>MED Attribute</p> <p>Weight Attribute</p>

	Determining the BGP Path Selection
	Selecting a BGP Path
<b>16.</b>	<b>Session: 16</b> <b>Route Maps to Manipulate BGP Paths</b>
	Using Route Maps to Manipulate Basic BGP Paths
	Setting Local Preference with Route Maps
	Setting the MED with Route Maps
<b>17.</b>	<b>Session: 17</b> <b>Introduction to IPv6</b>
	Introduction to IPv6
	Implementing IPv6
	Describing IPv6 Features
	Defining Address Representation
	IPv6 Address Types
	Multiple ISPs and LANs with Multiple Routers
<b>18.</b>	<b>Session: 18</b> <b>Implementing IPv6 Routing Protocols</b>
	IPv6 routing Protocol
	Implementing the RIPng
	Implementing the OSPF V3
	Implementing the EIGRP in IPV6
	Implementing the MP-BGP
<b>19.</b>	<b>Session: 19</b> <b>IPV6 and IPV4 co-existence</b>
	IPV6 and IPV4 co-existence

Dual stack
Tunneling
NAT-PT
<b>20. Session: 20</b> <b>Routing over Branch offices</b>  Introduction to the Routing over Branch offices  Introduction to Broadband services  NAT  DHCP
<b>21. Session: 21</b> <b>Introduction to IPSec VPN</b>  Introduction to IPSec VPN  Configuring Site-to-Site VPN  Introduction to DMVPN (Theory)
<b>22. Session: 22</b> <b>Introduction to GRE Tunnel</b>  Introduction to GRE Tunnel  Configuring GRE Tunnel  Dynamic Routing over GRE Tunnel  MPLS Introduction

I.#	Subject Details	
<b>1.</b>	<b>Subject:</b>	<b>Udaan CCNP Switching</b>
	Code:	Udaan CCNP Switching
	Principle:	Udaan
	Udaan CCNP Switching	

Sl.#	Sessions
<b>1.</b>	<p>Session: 1 <b>Introducing Campus Networks</b></p> <p>IIN and Cisco SONA Framework</p> <p>Cisco Network Models</p> <p>Describing Nonhierarchical Campus Network Issues</p> <p>Describing Layer 2 Network Issues</p> <p>Describing Routed Network Issues</p> <p>What Is a Multilayer Switch</p> <p>The Enterprise Composite Network Model</p> <p>Cisco CatOS</p>
<b>2.</b>	<p>Session: 2 <b>Implementing VLAN Topologies</b></p> <p>Describing Issues in a Poorly Designed Network</p> <p>Grouping Business Functions into VLANs</p> <p>Guidelines for Applying IP Address Space in the Enterprise Network</p> <p>Describing Interconnection Technologies</p> <p>Determining Equipment and Cabling Needs</p> <p>Mapping VLANs in a Hierarchical Network</p>
<b>3.</b>	Session: 3

## **Implementing VLANs**

Describing End-to-End VLANs

Describing Local VLANs

Benefits of Local VLANs in an Enterprise Campus Network

VLAN Configuration Modes

VLAN Database Mode

Explaining VLAN Access Ports

Dynamic Access Port Association

Describing VLAN Implementation Commands

Implementing a VLAN

Create or Configure a VLAN

Verify VLAN Configuration

Associate Switch Ports with the VLAN

Verify Switch Port Configuration

Test VLAN Connectivity

Implement Switch and VLAN Security Measures

### **4. Session: 4**

## **Implementing Trunks**

Explaining VLAN Trunks

VLAN Trunking Protocols

Comparing ISL and 802.1Q Trunking Protocols

Describing ISL Trunking

ISL Encapsulation



<p>Describing 802.1Q Trunking</p> <p>802.1Q Tagging Process</p> <p>Explaining 802.1Q Native VLANs</p> <p>Describing Trunking Configuration Commands</p> <p>Identifying the Modes for Trunking</p> <p>Configuring Trunking</p> <p>Configuring an 802.1Q Trunk</p> <p>Verify the 802.1Q Configuration</p> <p>Configuring an ISL Trunk</p> <p>Configuring a Port for ISL Trunking with No DTP</p> <p>Verifying the ISL Trunk Configuration</p>
<p><b>5. Session: 5</b></p> <p><b>Propagating VLAN Configurations with VTP</b></p> <p>Explaining VTP Domains</p> <p>Describing the VTP / VTP Versions</p> <p>VTP in the Campus Infrastructure Module</p> <p>VTP Modes Describing VTP Pruning</p> <p>Describing VTP Operation</p> <p>Configuration Revision Number</p> <p>VTP Advertisement Types</p> <p>Describing VTP Configuration Commands</p> <p>Configuring a VTP Management Domain</p> <p>Configuring VTP on a Switch</p>

	<p>Verifying the VTP Configuration VTP Counters</p> <p>Adding New Switches to an Existing VTP Domain</p>
<b>6.</b>	<p>Session: 6</p> <p><b>Correcting Common VLAN Configuration Errors</b></p> <p>Issues with 802.1Q Native VLANs</p> <p>Trunk Link Problems</p> <p>Common Problems with VTP Configuration</p> <p>Practice for VTP Configuration</p>
<b>7.</b>	<p>Session: 7</p> <p><b>Describing the STP</b></p> <p>Describing Transparent Bridges</p> <p>Identifying Traffic Loops</p> <p>Explaining a Loop-Free Network</p> <p>Describing the 802.1D STP</p> <p>BPDUs Fields Associated with Root Bridge Selection</p> <p>Priority Field in the BPDU</p> <p>How to Configure a Root Bridge</p> <p>Describing Port Roles</p> <p>Forming an Association with the Root Bridge</p> <p>Path Cost / Selecting the Root Port</p> <p>Selecting the Designated Port</p> <p>Topology Changes in STP</p> <p>Explaining Enhancements to STP</p>

<b>8.</b>	<p>Session: 8</p> <p><b>Implementing RSTP</b></p> <p>Describing the RSTP</p> <p>Describing RSTP Port States /Roles</p> <p>Explaining Edge Ports</p> <p>Describing RSTP Link Types</p> <p>Examining the RSTP BPDU</p> <p>Identifying the RSTP Proposal and Agreement Process</p> <p>Downstream RSTP Proposal Process</p> <p>Identifying the RSTP TCN Process</p> <p>Describing PVRST Implementation Commands</p> <p>Implementing PVRST Commands</p> <p>Verifying the PVRST Configuration</p>
<b>9.</b>	<p>Session: 9</p> <p><b>Implementing MSTP</b></p> <p>Explaining MSTP / Describing MST Regions</p> <p>Describing the Extended System ID</p> <p>Interacting Between MST Regions and 802.1Q</p> <p>Describing MSTP Implementation Commands</p> <p>Configuring and Verifying MSTP</p>
<b>10.</b>	<p>Session: 10</p> <p><b>Configuring Link Aggregation with EtherChannel</b></p> <p>Describing EtherChannel</p> <p>EtherChannel Features and Benefits</p>

	<p>Describing the PAgP and LACP Protocols</p> <p>Interface Modes</p> <p>Describing EtherChannel Configuration</p> <p>Configuring Port Channels Using EtherChannel</p> <p>Configuring Layer 3 EtherChannel</p> <p>Guidelines and Best Practices Example</p> <p>Configuring Load Balancing over EtherChannel</p> <p>EtherChannel Configuration</p> <p>Configuring and Verifying EtherChannel Load Balancing</p>
<b>11.</b>	<p>Session: 11</p> <p><b>Describing Routing Between VLANs</b></p> <p>Inter-VLAN Routing Using an External Router</p> <p>Describing Inter-VLAN Routing Using External Router Configuration Commands</p> <p>Configuring Inter-VLAN Routing Using an External Router</p> <p>Configuring an External Router Using ISL</p> <p>Verifying the Inter-VLAN Routing Configuration</p> <p>Explaining Multilayer Switching</p> <p>Layer 2 &amp; Layer 3 Switch Forwarding</p> <p>Which Switching Tables Are Used</p> <p>TCAM Table</p>
<b>12.</b>	<p>Session: 12</p> <p><b>Enabling Routing Between VLANs on a Multilayer Switch</b></p> <p>Describing Layer 3 SVI</p> <p>Describing Configuration Commands for Inter-VLAN Communication on a Multilayer</p>

	<p>Switch</p> <p>Configuring Inter-VLAN Routing on a Multilayer Switch</p> <p>Describing Commands for Routed Ports on a Multilayer Switch</p> <p>Describing Routed Ports on a Multilayer Switch</p> <p>Configuring Routed Ports on a Multilayer Switch</p>
<b>13.</b>	<p>Session: 13</p> <p><b>Deploying CEF-Based Multilayer Switching</b></p> <p>Explaining Layer 3 Switch Processing</p> <p>Distributed Hardware Forwarding</p> <p>Explaining CEF-Based Multilayer Switches</p> <p>Identifying the Multilayer Switch Packet Forwarding Process</p> <p>CEF-Based Tables and MLS Lookups</p> <p>FIB Table Updates</p> <p>ARP Throttling</p> <p>CEF-Based MLS Operation</p> <p>Describing CEF Configuration Commands</p> <p>Enabling CEF-Based MLS</p> <p>Describing Common CEF Problems and Solutions</p> <p>Describing CEF Troubleshooting Commands</p> <p>Display CEF Statistics</p> <p>Troubleshooting Layer 3 CEF-Based MLS</p>
<b>14.</b>	<p>Session: 14</p> <p><b>Configuring Layer 3 Redundancy with HSRP</b></p> <p>Describing Routing Issues</p>

	Using Default Gateways/ Using Proxy ARP
	Identifying the Router Redundancy Process
	Router Redundancy Providing Continual Access
	Describing HSRP/ Identifying HSRP Operations
	Virtual Router / Active Router
	ARP Resolution with HSRP
	Standby and Other HSRP Routers in the Group
	HSRP Active and Standby Router Interaction
	Describing HSRP States/ HSRP State Transition
	Standby State / Active State
	Describing HSRP Configuration Commands
<b>15.</b>	<b>Session: 15</b>
	<b>Optimizing HSRP</b>
	Describing HSRP Optimization Options
	Establishing HSRP Priorities
	Verify the HSRP Standby Priority
	HSRP Standby Preempt / Hello Message Timers
	HSRP Interface Tracking
	Configuring HSRP Tracking/ Tuning HSRP Operations
	Subsecond Failover
	Preempt Time Aligned with Router Boot Time
	Describing Load Sharing
	Example of Multiple HSRP Groups on the Same Segment

	<p>Addressing HSRP Groups Across Trunk Links</p> <p>Example of Load Sharing Across Different IP Subnets</p> <p>Describing HSRP Debug Commands</p> <p>Debugging HSRP Operations</p>
<b>16.</b>	<p>Session: 16</p> <p><b>Configuring Layer 3 Redundancy with VRRP and GLBP</b></p> <p>Describing VRRP</p> <p>Identifying the VRRP Operations Process</p> <p>VRRP Transition Process</p> <p>Configuring VRRP / Describing the GLBP</p> <p>GLBP Functions / Identifying the GLBP Operations Process</p> <p>GLBP Implementation</p>
<b>17.</b>	<p>Session: 17</p> <p><b>Introducing WLANs</b></p> <p>Wireless Data Technologies</p> <p>Wireless Technologies</p> <p>Wireless LANs</p> <p>WLANs and Other Wireless Technologies</p> <p>Differences Between WLANs and LANs</p>
<b>18.</b>	<p>Session: 18</p> <p><b>Describing WLAN Topologies</b></p> <p>WLAN Topologies / Wired and Wireless LAN</p> <p>Service Set Identifier / Typical WLAN Topologies</p> <p>Wireless Repeater Topology</p>

	<p>Work Group Bridge Topology</p> <p>Peer-to-Peer Topology</p> <p>WLAN Service Set and Modes</p> <p>Roaming Through Wireless Cells</p> <p>Client Roaming / Layer 2 and Layer 3 Roaming</p> <p>Wireless VLAN Support</p> <p>Enterprise Voice Architecture</p> <p>Wireless Mesh Networking / Wireless Mesh Applications</p> <p>AWP Protocol</p> <p>Key Market Segments for Outdoor Wireless Technology</p>
<b>19.</b>	<p>Session: 19</p> <p><b>Planning for Implementation of Voice in a Campus Network</b></p> <p>Explaining Converged Network Benefits</p> <p>Describing VoIP Network Components</p> <p>Explaining Traffic Characteristics of Voice and Data</p> <p>Describing VoIP Call Flow</p> <p>Explaining Auxiliary VLANs / Describing QoS</p> <p>Explaining the Importance of High Availability for VoIP</p>
<b>20.</b>	<p>Session: 20</p> <p><b>Accommodating Voice Traffic on Campus Switches</b></p> <p>QoS and Voice Traffic in the Campus Model</p> <p>LAN-Based Classification and Marking</p> <p>Layer 2 QoS Marking / Layer 3 QoS Marking</p> <p>Describing QoS Trust Boundaries</p>



	<p>Configuring a Switch for Attachment of a Cisco IP Phone</p> <p>Describing Basic Switch Commands to Support Attachment of a Cisco IP Phone</p> <p>What Is Cisco AutoQoS VoIP</p> <p>Configuring Cisco AutoQoS VoIP on a Cisco Catalyst Switch</p> <p>Automation with Cisco AutoQoS</p>
<b>21.</b>	<p>Session: 21</p> <p><b>Understanding Switch Security Issues</b></p> <p>Overview of Switch Security Concerns</p> <p>Describing Unauthorized Access by Rogue Devices</p> <p>Switch Attack Categories</p> <p>Describing a MAC Flooding Attack</p> <p>Suggested Mitigation for MAC Flooding Attacks</p> <p>Describing Port Security</p> <p>Configuring Port Security on a Switch</p> <p>Caveats to Port Security Configuration Steps</p> <p>How to Verify Port Security</p> <p>Verifying Network Access Security</p> <p>Port Security with Sticky MAC Addresses</p> <p>Authentication, Authorization, and Accounting</p> <p>Authentication and Authorization Methods</p> <p>802.1x Port-Based Authentication</p> <p>Configuring 802.1x Port-Based Authentication</p>
<b>22.</b>	<p>Session: 22</p> <p><b>Protecting Against VLAN Attacks</b></p>

	<p>Explaining VLAN Hopping</p> <p>Switch Spoofing / Double Tagging</p> <p>Mitigating VLAN Hopping</p> <p>VLAN Access Control Lists</p> <p>Configuring VACLs / Explaining PVLANS</p> <p>PVLAN Port Types / Configuring PVLANS</p>
<b>23.</b>	<p>Session: 23</p> <p><b>Protecting Against Spoof Attacks</b></p> <p>Describing a DHCP Spoof Attack</p> <p>Describing DHCP Snooping / Configuring DHCP Snooping</p> <p>Verifying the DHCP Snooping Configuration</p> <p>IP Source Guard</p> <p>Configuring IP Source Guard on the Switch</p> <p>Describing ARP Spoofing / Describing DAI</p> <p>Describing Commands to Configure DAI</p> <p>Protecting Against ARP Spoofing Attacks</p>
<b>24.</b>	<p>Session: 24</p> <p><b>Describing STP Security Mechanisms</b></p> <p>Protecting the Operation of STP</p> <p>BPDU Guard / BPDU Filtering</p> <p>BPDU Root Guard</p> <p>Describing BPDU Guard Configuration</p> <p>BPDU Filtering Applied Globally Versus Per-Port</p>

Configuring BPDU Guard / Verifying BPDU Guard

Describing BPDU Filtering Configuration

BPDU Filtering Applied Globally Versus Per-Port

Configuring BPDU Filtering

Describing Root Guard

Describing Root Guard Configuration Commands

Sl.#	Subject Details	
1	Subject:	Core Java
	Code:	Core Java
	Principle:	Udaan
	Core Java	

Sl.#	Sessions
1	<p>Session: 1</p> <p>Object Oriented Concepts. Java Programming. Introduction. Classes and Methods Constructors, Parameterized Constructors, Static Key Word, Method Over loading, Garbage Collection, Final Key Word. Diff between methods and constructors</p> <p>Encapsulation, Abstraction, Polymorphism, Inheritance. Features of Java Programming, Concepts of JVM, JDK, JRE e.t.c</p> <p>Simple java program. Compiling and Executing the java program through Note pad and Eclipse IDE</p> <p>Creating a Simple class, creating objects, NEW operator, Adding methods, Argument passing, Nested Classes, Inner Classes, Static and Non static Nested Classes and Programs based on these.</p>
2	<p>Session: 2</p> <p>Inheritance Super Key word Dynamic Method Dispatch. Method Over riding, Abstract classes</p> <p>Access Specifiers like Private, Public, Default, Protected e.t.c. and Programs based on inheritance, method over riding</p>
3	<p>Session: 3</p> <p>Packages and Interfaces</p>

	<p>Defining a package, Simple example, example using access specifiers. Importing packages. Defining Interfaces. Difference between abstract classes and Interfaces. Interfaces can be extended. Applying interfaces and Programs on these</p>
4	<p>Session: 4 Java Exceptions String Handling</p> <p>Checked Exceptions, Un checked Exceptions, Try catch, Finally, Throws, Throw e.t.c. Creating our own exception, Nested Try block, catch block, Chained Exceptions e.t.c. and Programs on these</p> <p>String , String Buffer and String Builder and Examples</p>
5	<p>Session: 5 Threads and Wrapper classes</p> <p>Multi-threading, join and wait commands, synchronization, Thread states, Inter process communication dead locks e.t.c. and Programs on these</p>
6	<p>Session: 6 Java I/O Package, Java Util and Lang package</p> <p>I/O Package like File Input stream, output stream, file reader writer e.t.c.</p> <p>Lang package like object, clone, process, type wrappers, e.t.c.</p> <p>Utility packages like String tokenizer, date, Calendar, Time zone, locale e.t.c. and Programs</p>
7	<p>Session: 7 Collections and Generic Framework</p> <p>List, Array List, Set, Iterator, List Iterator, Enumerator, Maps, Comparator, Comparable Interfaces, Legacy Classes like Dictionaries, Hash tables, Vectors, properties, Stack, Dequeue, priority queue, Generic Types and Programs on these</p>

8	<p>Session: 8          JDBC Using My sql 5.5 or Oracle 11g</p> <hr/> <p>JDBC Introduction. Types of JDBC Drivers. Statements, callable, prepared. Connection, Result set, Scrollable Result Set, Stored Procedures, Batch Statements, Batch Update, Commit and Roll back programs on these.</p>
9	<p>Session: 9          HTML and Java Script. + Online Shopping cart project</p> <p>Introduction of HTML, Tags, Href, Tables, forms, urls, image tags, frames, format tags. Introduction to java . Functions, objects, strings, loops, data types, regular expressions, form validations, getElementID commands e.t.c.</p>
10	<p>Session: 10</p> <p>Servlet 2.5/3.0. Introduction Packages like javax.servlet.* ,javax.servlet.http.* ,Generic servlet and Http Servlet and Simple programs. Http Servlet Methods Like Get, Post, Reading parameters from html, Session tracking + Online Shopping cart project</p> <p>Life cycle of Servlet, Directory Structure. Introduction to Web server Tomcat 7.0/Jboss 5.0 Ga. War files, Web.xml, lib, Deploying Servlet</p> <p>http session, url re writing, hidden form fields and Cookies and Programs on these</p>
11	<p>Session: 11</p> <p>Servlet ? JDBC CONNECTION and examples + Online Shopping cart project</p> <p>Servlet-Java -jdbc-html program for Login Application</p>
12	<p>Session: 12</p> <p>JSP 2.0 Introduction + Online Shopping cart project</p> <p>Life cycle of JSP, Scriplet, Expression, directives and Declarations. Implicit Objects and Simple program on these</p>

13	<p>Session: 13 JSP Standered Action tags + Online Shopping cart project</p> <p>Jsp:use bean , get property, setproperty, plugin, param, include, forward, tag, body tag, iteration tag, do starttag, doendtag e.t.c and Simple</p>
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Sl.#	Subject Details	
<b>1</b>	<b>Subject:</b>	<b>Advance Java</b>
	Code:	Advance Java
	Principle:	Udaan
	Advance Java	

Sl.#	Sessions
1	<p>Session: 1 Object Oriented Concepts. Java Programming. Introduction. Classes and Methods Constructors, Parameterized Constructors, Static Key Word, Method Over loading, Garbage Collection, Final Key Word. Diff between methods and constructors</p> <p>Encapsulation, Abstraction, Polymorphism, Inheritance. Features of Java Programming, Concepts of JVM, JDK, JRE e.t.c</p> <p>Simple java program. Compiling and Executing the java program through Note pad and Eclipse IDE</p> <p>Creating a Simple class, creating objects, NEW operator, Adding methods, Argument passing, Nested Classes, Inner Classes, Static and Non static Nested Classes and Programs based on these.</p>
2	<p>Session: 2 Inheritance Super Key word Dynamic Method Dispatch. Method Over riding, Abstract classes</p> <p>Access Specifiers like Private, Public, Default, Protected e.t.c. and Programs based on inheritance, method over riding</p>
3	<p>Session: 3 Packages and Interfaces</p> <p>Defining a package, Simpsle example, example using access specifiers. Importing packages. Defining Interfaces. Difference between abstract classes and Interfaces. Interfaces can be extended. Applying interfaces and Programs on these</p>
4	<p>Session: 4 Java Exceptions String Handling</p>



	<p>Checked Exceptions, Un checked Exceptions, Try catch, Finally, Throws, Throw e.t.c. Creating our own exception, Nested Try block, catch block, Chained Exceptons e.t.c. and Programs on these</p> <p>String , String Buffer and String Builder and Examples</p>
5	<p>Session: 5 Threads and Wrapper classes</p> <p>Multi threading, join and wait commands, synchronization, Thread states, Inter process communication dead locks e.t.c. and Programs on these</p>
6	<p>Session: 6 Java I/O Package, Java Util and Lang package</p> <p>I/O Package like File Input stream, output stream, file raeder writer e.t.c.</p> <p>Lang package like object, clone, process, type wrappers, e.t.c.</p> <p>Utility packages like String tokenizer, date, Calender, Time zone, locale e.t.c. and Programs</p>
7	<p>Session: 7 Collections and Generic Frame work</p> <p>List, Array List, Set, Iterator, List Iterator, Enumerator, Maps, Comparator, Comparable Interfaces, Legacy Classes like Dictionaries, Hash tables, Vectors, properties,Stack, Dqueue, priority q, Generic Types and Programs on these</p>
8	<p>Session: 8 JDBC Using My sql 5.5 or Oracle 11g</p> <p>JDBC Introduction. Types of JDBC Drivers. Statements, callable, prepared. Connection, Result set, Scrollable Result Set, Stored Procedures, Batch Statements, Batch Update, Commit and Roll back programs on these.</p>
9	<p>Session: 9 HTML and Java Script. + Online Shopping cart project</p> <p>Introduction of HTML, Tags, Href, Tables, forms, urls, image tags, frames, format tags. Introduction to java . Functions, objects, strings, loops, data types, regular expressions, form validations, getElementID commands e.t.c.</p>
10	<p>Session: 10 Servlet 2.5/3.0. Introduction Packages like javax.servlet.*,javax.servlet.http.*,Generic servlet and Http Servlet and Simple programs. Http Servlet Methods Like Get, Post, Reading parameters from html, Session tracking + Online Shopping cart project</p>

	<p>Life cycle of Servlet, Directory Structure. Introduction to Web server Tomcat 7.0/Jboss 5.0 Ga. War files, Web.xml, lib, Deploying Servlet</p> <p>http session, url re writing, hidden form fields and Cookies and Programs on these</p>
11	<p>Session: 11</p> <p>Servlet ? JDBC CONNECTION and examples + Online Shopping cart project</p> <p>Servlet-Java -jdbc-html program for Login Application</p>
12	<p>Session: 12</p> <p>JSP 2.0 Introduction + Online Shopping cart project</p> <p>Life cycle of JSP, Scriplet, Expression, directives and Declarations. Implicit Objects and Simple program on these</p>
13	<p>Session: 13</p> <p>JSP Slandered Action tags + Online Shopping cart project</p> <p>Jsp:use bean , get property, set property, plugin, param, include, forward, tag, body tag, iteration tag, do starttag, doendtag e.t.c and Simple</p>

Sl.#	Subject Details	
1	<b>Subject:</b>	<b>DOT NET</b>
	Code:	DOTNET001
	Principle:	Udaan
	Dot Net	

Sl.#	Sessions
1	<p>Session: 1</p> <p>Object Oriented Concepts. Java Programming. Introduction. Classes and Methods Constructors, Parameterized Constructors, Static Key Word, Method Over loading, Garbage Collection, Final Key Word. Diff between methods and constructors</p> <p>Encapsulation, Abstraction, Polymorphism, Inheritance. Features of Java Programming, Concepts of JVM, JDK, JRE e.t.c</p> <p>Simple java program. Compiling and Executing the java program through Note pad and Eclipse IDE</p> <p>Creating a Simple class, creating objects, NEW operator, Adding methods, Argument passing, Nested Classes, Inner Classes, Static and Non static Nested Classes and Programs based on these.</p>
2	<p>Session: 2</p> <p>Inheritance Super Key word Dynamic Method Dispatch. Method Over riding, Abstract classes</p> <p>Access Specifiers like Private, Public, Default, Protected e.t.c. and Programs based on inheritance, method over riding</p>
3	<p>Session: 3</p> <p>Packages and Interfaces</p> <p>Defining a package, Simpsle example, example using access specifiers. Importing packages. Defining Interfaces. Difference between abstract classes and Interfaces. Interfaces can be extended. Applying interfaces and Programs on these</p>
4	<p>Session: 4</p> <p>Java Exceptions String Handling</p>

	<p>Checked Exceptions, Un checked Exceptions, Try catch, Finally, Throws, Throw e.t.c. Creating our own exception, Nested Try block, catch block, Chained Exceptons e.t.c. and Programs on these</p> <p>String , String Buffer and String Builder and Examples</p>
5	<p>Session: 5</p> <p>Threads and Wrapper classes</p> <p>Multi threading, join and wait commands, synchronization, Thread states, Inter process communication dead locks e.t.c. and Programs on these</p>
6	<p>Session: 6</p> <p>Java I/O Package, Java Util and Lang package</p> <p>I/O Package like File Input stream, output stream, file raeder writer e.t.c.</p> <p>Lang package like object, clone, process, type wrappers, e.t.c.</p> <p>Utility packages like String tokenizer, date, Calender, Time zone, locale e.t.c. and Programs</p>
7	<p>Session: 7</p> <p>Collections and Generic Frame work</p> <p>List, Array List, Set, Iterator, List Iterator, Enumerator, Maps, Comparator, Comparable Interfaces, Legacy Classes like Dictionaries, Hash tables, Vectors, properties, Stack, Dqueue, priority q, Generic Types and Programs on these</p>
8	<p>Session: 8</p> <p>JDBC Using My sql 5.5 or Oracle 11g</p> <p>JDBC Introduction. Types of JDBC Drivers. Statements, callable, prepared. Connection, Result set, Scrollable Result Set, Stored Procedures, Batch Statements, Batch Update, Commit and Roll back programs on these.</p>
9	<p>Session: 9</p> <p>HTML and Java Script. + Online Shopping cart project</p> <p>Introduction of HTML, Tags, Href, Tables, forms, urls, image tags, frames, format tags. Introdution to java . Functions, objects, strings, loops, data types, regular expressions, form validations, getElementID commands e.t.c.</p>
10	<p>Session: 10</p>

	<p>Servlet 2.5/3.0. Introduction Packages like javax.servlet.*, javax.servlet.http.*, Generic servlet and Http Servlet and Simple programs. Http Servlet Methods Like Get, Post, Reading parameters from html, Session tracking + Online Shopping cart project</p> <p>Life cycle of Servlet, Directory Structure. Introduction to Web server Tomcat 7.0/Jboss 5.0 Ga. War files, Web.xml, lib, Deploying Servlet</p> <p>http session, url re writing, hidden form fields and Cookies and Programs on these</p>
11	<p>Session: 11</p> <p>Servlet ? JDBC CONNECTION and examples + Online Shopping cart project</p> <p>Servlet-Java -jdbc-html program for Login Application</p>
12	<p>Session: 12</p> <p>JSP 2.0 Introduction + Online Shopping cart project</p> <p>Life cycle of JSP, Scriplet, Expression, directives and Declarations. Implicit Objects and Simple program on these</p>
13	<p>Session: 13</p> <p>JSP Standard Action tags + Online Shopping cart project</p> <p>Jsp:use bean , get property, setproperty, plugin, param, include, forward, tag, body tag, iteration tag, do starttag, doendtag e.t.c and Simple</p>