SUN-SOLARIS-10-SA-202 System Administration Paper 2

Networking Tools:
- Understanding and implementing ping, telnet, rlogin, rcp, rsh, rup and ftp, ssh & scp
- Understanding and communicating remote Unix servers using rlogin
- Implementing trusted relationship between users of remote servers

Network File System(nfs):
- Understanding and configuring NFS server and NFS client
- Understanding different files, daemons, commands at NFS server and NFS client
- Configuring auto-mount with direct and indirect mapping
- Configuring cachefs over NFS with statistics

FTP Server:
- Configuring ftp server with real and anonymous users
- Understanding security files

Naming Information Service(NIS):
- Naming services overview
- Understanding network information service (NIS)
- Configuring NIS master , NIS slave, NIS clients
- Understanding difference between NIS and NIS+

Solaris Syslog:
- Managing syslog messages
- Exploring different facilities and error messages

Advance Installation:
- Custom jumpstart installation

Domain Naming Service(DNS):
- Understanding domain naming service
- Configuring primary DNS server, Secondary DNS server, and DNS clients

DHCP:
- Configuring DHCP server and DHCP client

Samba Server:
- Configuring samba server for sharing files between Unix to Unix and Unix to windows
- Configuring samba web administration tool(swat)

Solaris Volume Manager(SVM)
- Introduction to SVM.
- Advantages of volume manager.
- Types of RAIDS(hardware & software).
- overview of state database and state database replicas.
- Creating,deleting and troubleshooting of state databases.
- Different types of raids (RAID -0 ,RAID-1,RAID 0+1,RAID 1+0, RAID-5).
- Practical implementation of all RAID layouts.
- Root disk mirroring and unconfiguration of root disk mirroring.
- Soft Partitions.
- Hotspare Pools.
- Replacing failed disks with new disks in SVM.

ZFS
- Solaris ZFS file system(introduction)
- ZFS storaged pooled storage.
- ZFS hardware and software requirements.
- Creating ZFS storage Pool.
- Creating ZFS file system.
- Creating ZFS filesystem Hierarchy.
- Determining ZFS filesystem hierarchy.

Managing ZFS Storage Pools
- Using disks in a ZFS storage pool.
- Mirrored storage pool configuration.
- RAID-Z storage pool configuration.
- Creating and detroying ZFS storage pools.
- Adding devices to to a storage pool.
- Attaching and detaching devices in a storage pool.
- Onlining and offlining devices in a storage pool.
- Clearing storage pool devices.

- Replacing devices in a storage pool.
- Designating hot spares in your storage pool.
- Displaying basic ZFS storage pool information.
- Determining the health status of ZFS storage pools.

ZFS Snapshots and Clones
- What is snapshot.
- Creating and destroying ZFS snapshots.
- Displaying and accessing ZFS snapshots.
- Rolling back to ZFS snapshot.
- Saving ZFS snapshot.
- Restoring a ZFS snapshot.
- Overview of ZFS clones
- Creating a ZFS clon.
- Destroying a ZFS clone.
- Replacing ZFS file system with a ZFS clone.

ZFS Troubleshooting and Data Recovery.