• What is user management?

The process of managing user accounts access

Administrator has full authority.

Local user needs authority from administrator.

In Guest user after restart data will be removed.

• Where can we access the user management?

Search in run menu:- lusr.msg.msc.

Click on user folder.

Right click on blank space and add new user.

• Why is user management needed?

Allows admin to manage resources and users according to their need and also for ip security.

• Do a practical to create a user from user management.

Done in lab.

• Do a practical to change the password of the administrator from the user management What is file folder permission?---sharing and ntfs What is theuse of file and folder permission?

File and folder permission control what users can do with a file or folder ,as read, write, modify.

File folder permission and NTFS are used to manage access to file and folders in Windows.

• Write down the steps to give a folder read only permission.

Right click on folder------🡪properties-----🡪SECURITY--------🡪click edit and change permission to read only.

•Write a step to give a file admin permission.

• Do a practical to change the ownership of the folder and the sub folders in it.

Done in lab.

• What is OS?

Manages communication between hardware and software.

• What are the types of OS?

Windows, Linux ,Mac OS.

• Do a practical to create bootable pen drive for kali Linux and install os?

Done in lab.

• Do a practical to create a bootable pen drive for windows 10 and install OS Do pen drive for creating a pen drive for mac os Big sur with unibeast.

Done in lab.

• What is clean install?

The process that involves erasing all data and reinstall an operating system or an application.

• What is upgrade installation?

Installing a new version of windows operating system to replace the existing version.

• Do a practical to upgrade from windows 8 to windows 10.

Done in lab.

• What is partitioning?

Dividing computers hard disk drive [HDD] into multiple drives or partition.

Partioning allows user to store data, files,programs in separate partition.

• What is partition ?

Apartition is a division of a computer hard disks [HDD] that is treated as separate unit by the OS.

• What is format?

Delete all data.

• Format a partition using cmd.

Run command prompt as administrator

Type diskpart cmd.

Get list of disks using list cmd ls-l

Select disk and clean command.

• List out the administrative tools.

Task scheduler

Disk cleanup.

Services

System configuration

Notepad

Registry editor

Performance Monitor

Defragment and optimized drives.

• What is disk management tools.

Adisk management tool is a software that helps to manage data on a disk by partitioning devices, managing drives, disk checking and formatting.

• List out the operations we can do with disk management tool

Partioning, formatting ,Disk checking, managing drives, changing file system.

• What is Device Management?

Enables organizations to administer and maintain devices,including virtual machines, physical computers, mobile devices and iot devices.

• Do a practical to delete a driver from the device management tool.

Done in lab.

• What is windows features?

Speed:- windows is fast and efficient.

Windows allows to access files and disks.

Windows executes the program smoothly.

Windows support memory management for multitasking.

Windows provide regular update to use it easy.

Control panel manages configuration of computer.

Displays file and folder

Allows user to search information, view pages and shop online.

Deletes unnecessary files to free up disk space.

• Do a practical to install dotnet framework 3.5 with Windows feature.

Done in lab.

• Do a practical to disable internet explorer in windows feature

Done in lab.

• What is backup and restore?

The process of copying data from primary location to secondary location.

• What are the tools of backup?

Computer programs used to perform backups.

• Do a practical to restore from restore point.

Done in lab.

• How to protect system from malfunctioning due to electrical fluctuation?

Use power strips or surge protectors.

* What is OS base firewall? And configure inbound and outbound rule ?

An OS based firewall controls the traffic entering and exiting a network through inbound and outbound rules.

Inbound rules:- Controls traffic coming inside the network.

Outbound :- Controls traffic leaving the network.

• Do a practical to block internet with firewall.

Done in lab.