# Module – 3 Installation and Maintenance of Hardware and Its

# components

1. What is user management?

* User management is an organizational function that enables users to access and control digital assets, such as applications, devices, networks, and cloud services. Organizations are now exploring even more advanced solutions.

1. Where can we access the user management?

* Control Panel\All Control Panel Items\User Accounts\Manage Accounts.

1. Why is user management needed?

* User management allow administrators to manage resources and organise users according to their needs and roles while maintaining the security of the it system.

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

* Done in lab.

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

* Practical done In lab, file folder permission is used to give file folder permission to the receiver like read, write, read/write, modify and full control.

1. Write down the steps to give a folder read only permission.
2. Right-click on the folder and select Sharing and Security from the pop-up context menu.
3. Choose to share the folder, and give it a name.
4. Click the Permissions button.
5. Add specific users as necessary.
6. Grant them read permissions by clicking the check box under the Allow column on the Read line.
7. Write a step to give a file only admin permission.
8. Right-click on Program Files.
9. Select Properties then the Security tab.
10. Click Advanced and click Change Permissions.
11. Select Administrators or your account.
12. Do a practical to change the ownership of the folder and the sub folders in it.

* Done in lab.

1. What is OS?

* An operating system (OS) is system software that manages computer hardware and software resources, and provides common services for computer programs.

1. What are the types of OS?

* Windows, mac-os, linux these are the types of operating systems.

1. Do a practical to create bootable pen drive for kali Linux and install os.

* Done in lab.

1. Do a practical to create a bootable pen drive for windows 10 and install os

* Done in lab.

1. Do pen drive for creating a pen drive for mac os Big sur with unibeast.

* Done in lab.

1. What is clean install?

* A clean install is a computer process involving erasing all data and reinstalling the operating system from scratch. It's a powerful method to refresh your system.

1. What is upgrade installation?

* An upgrade installation is a process of installing a newer version of the Windows operating system to replace the existing version.

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

* Done in lab.

1. What is partitioning?

* Disk partitioning or disk slicing is the is the method to create secondary storage from main storage.

1. What is partition?

* In computer if we have to create new storage we can separate our secondary storage from the total storage that’s called as partition.

1. What is format?

* Format is the process of removing or erasing all the data from the disk.

1. Format a partition using cmd.
2. Run cmd as a administrator.
3. Type diskpart
4. Type list disk
5. Select the drive to format
6. Type clean
7. Type create partition primary
8. Format the drive using format fs=ntfs
9. To assign a drive letter, you can type 'assign' .
10. List out the administrative tools.

* Windows Terminal
* Character Map
* Command Prompt
* Component Services
* Computer Management
* Control Panel
* Defragment and Optimize Drives
* Disk Cleanup
* Event Viewer
* iSCSI Initiator
* Local Security Policy
* ODBC Data Sources
* Performance Monitor
* Power Automate
* Print Management
* Quick Assist
* Recovery Drive
* Registry Editor
* Remote Desktop Connection
* Resource Monitor

1. What is disk management tools?

* It's used to manage the drives installed in a computer—like hard disk drives (internal and external), optical disk drives, and flash drives. It can be used to partition and format drives, assign drive letters, and much more.

1. List out the operations we can do with disk management tool

* Partitioning of the disk.
* Formatting the disk.
* Changing disk's name.
* Shrinking a disk partition.
* Extending a disk partition.
* Deleting a disk partition.
* Changing the file system of a driver.

1. What is Device Management?

* Device Manager is a component of the Windows operating system. It allows users to view and control the hardware attached to the computer. Device manager tool is located on control panel.

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

* Done in lab.

1. What is windows features?

* Windows Features is tool of Windows that allows user to add or remove features from their computer that they may not want or use.

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

* Done in lab.

1. Do a practical to disable internet explorer in windows feature

* Done in lab.

1. What is backup and restore?

* Backup and recovery is the process of duplicating data and storing it in a secure place in case of loss or damage, and then restoring that data to a location .

1. What are the tools of backup?

* Backup and restore option in control panel.

1. Do a practical to restore from restore point.

* Done in lab.

1. How to protect system from malfunctioning due to electrical fluctuation?
2. What is os base firewall? And configure inbound and outbound rule
3. Do a practical to block internet with firewall.

* Done in lab.