

1. What are the parts of laptop?
2. Do a practical of identifying parts of the laptop.

- **Assignment level Advance.**

1. Do a practical to disassemble the laptop.
2. Do a practical to change the RAM in the laptop.

TOPIC: PRINTER

- **ASSIGNMENT LEVEL BASIC:**

1. WHAT IS PRINTER?
2. IS IT A INPUT DEVICE OR OUTPUT DEVICE?

- **Assignment level intermediate:**

1. Describe the types of printer.
2. Describe inkjet printer.

- **Assignment level Advanced:**

1. Do a practical of network installation of the printer.
2. do a practical to troubleshoot the printer of no cartridge error

Module 2 {Installation and Maintenance of Hardware and Its components}

Topic: User Management

- ✘ **Assignment Level Basic**

1. What is user management?

Ans: user management is a function in pc that allows which user can access specific files or folders.

2. Why is user management needed?

Ans: user management is needed in pc so the admin can manage users files, folders, and groups easily.

- **Assignment level intermediate:**

1. Where can we access the user management?

Ans: Right click in my pc than select manage here you can find user and group in this option we can manage.

2. What are the features of user management?

Ans: user management has password change option, disable profile option, security option, restriction option etc.

- **Assignment level Advance:**

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

Ans: done

2. Do a practical to change the password of the administrator from the user management tool

Ans: done.

Topic: File and Folder Permission

- **Assignment Level Basic:**

1. What is file folder permission?

Ans: In file folder permission admin can decide which file or folder what users are allowed to read, write or read only, write only.

2. What is the use of file and folder permission?

Ans: to give security.

- **Assignment level Intermediate:**

1. write down the steps to give a folder read only permission.

Ans: first login as a admin than select that folder and right click properties than go to security option than click on edit option than select user and permission

than click on apply and save.

2. Write a step to give a file only admin permission

Ans: first login as a admin profile than select that particular file and than right click properties than security than click on advance option than click on change permissions than releasing and give him all permissions done.

- **Assignment level Advance:**

1. Do a practical to give the folder permission of read only in network.

Ans: done

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

Ans: done

Topic: Install OS

✘ Assignment Level Basic

1. What is OS?

Ans: O.S is a technology that helps our pc to run applications and manage our hardware also.

2. What are the types of OS?

Ans: windows mac, android, Linux, IOS, etc.

✘ Assignment Level Intermediate

1. Do a practical to create bootable pendrive for kali Linux

Ans: done

2. Do a practical to create a bootable pendrive for windows 7

Ans: done

3. Do pendrive for creating a pendrive for mac os Mojave with unibeast.

Ans: done

✘ Assignment level Advance:

1. Do a practical to install Kali Linux

Ans: done

2. Do a practical to install windows 10

Ans: done

3. Do a practical to install Mac os X

Ans: done

Topic: Clean Install

✘ Assignment Level Basic

1. What is clean install?

Ans: clean install means fully formatted harddrive it has no operating system.

✘ Assignment Level Intermediate

1. What is the process for clean install?

Ans: formate your harddrive and than install new operating system.

2. what are the benefits of clean install?

Ans: if our pc run into problems or or faced any Error clean install can fix it in some cases.

✘ Assignment level Advance:

1. Do a clean installation of windows XP

Ans: done

2. Do a clean installation of windows 8

Ans: done

Topic: Upgrade installation

✘ Assignment level basic

1.What is upgrade installation?

Ans: In upgrade installation it's gives us newer version of Operating System and some more features also.

2.What is the benefit of upgrade installation?

Ans: In upgraded installation it give a us better performance and security and new features also.

- **Assignment level intermediate:**

1. Write down the steps of upgrade installation.

Ans: first you need to make a bootable or drive which you want to install than insert it in pc than restart the pc and press boot option relevant key than select your pen drive and than done.

- **Assignment level advance.**

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

Ans: done

Topic: Partition & Formatting

- ✘ **Assignment level Basic**

1. What is partitioning?

Ans: partition is a form that allows to divide our harddrive storage.

2. What is partition?

Ans: partition is a form that allows to divide our harddrive storage.

3. What is format?

Ans: Formate is a term in that we can delete all data In partition drive like D drive, A drive.

- **Assignment level Intermediate:**

1. Do a Practical of mbr partition.

Ans: done

2. Do a Practical of gpt partition

Ans: done

- **Assignment level Advance:**

1. Do a practical using cmd.

Ans: done

2. covert a partition to gpt by cmd.

Ans: done

3. Format a partition using cmd.

Ans: done

Topic: Transferring Files

✘ Assignment level Basic

1. What is transferring Files?

Ans: transferring files is a process of moving or copying any files in one pc to other pc's.

2. What are the ways of transferring files?

Ans: HTTP, HTTPS,STPS etc.

• Assignment level Intermediate:

1. How do we transfer files from one system to another?

Ans: using cables, using internet, upload in server, pensive hdd and ssd, any third party software.

2. Types of file transferring media.

And: any third party tool, using cables, network sharing.

• Assignment level Advanced:

1. Do a practical to transfer files from one system to another via network.

Ans: done

2. DO a practical to transfer data from one hard disk to another.

Ans: done

Topic: Administrative tools

✘ Assignment Level Basic

1. What are administrative tools?

Ans: Admin tool is a option in pc that can change pc behavior

2. What is the use of administrative tools?

Ans: to manage services, users, groups, recovery, event management, disk cleanup and many more.

✘ Assignment level Intermediate:

1. List out the administrative tools

Ans: services, event management, user management, disk cleanup, system configuration etc..

2. What is disk management tools.

Ans: disk management tools are used for manage data on disk.

✘ Assignment Level Advanced

1. Do a practical to delete a driver and reinstall it from administrative tools.

Ans: done

2. Do a practical to delete a partition and again create it with administrative tool

Ans: done

3. Do a practical to create user with administrative tool.

Ans: done

Topic: Windows Feature.

✘ Assignment Level Base

1. What is windows features?

Ans: windows feature is a option that can improve our daily use.

✘ Assignment level Intermediate

1. List out the windows features.

Ans: framework, Remote Desktop configuration, powershell, work folder. Etc.

2. What is the use of IIS?

Ans: IIS can be used to host, deploy, and manage web applications using technologies such as ASP.NET and PHP.

✘ Assignment level Advance:

1. Do a practical to re install IIS with windows feature.

Ans: done

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

Ans: done

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

Ans: done

Topic: Backup & Restore

• Assignment level Basic:

1. What is backup?

Ans: backup is feature that can help us to make a copy of our data and it's stored in our storage drive.

2. What is Restore?

Ans: restore means need back the deleted data.

3. What is the need of backup

Ans: in some case if we delete our data we have backup to restore the data.

• Assignment level Intermediate.

1. What are the tools of backup?

Ans: easeus IDrive, azure, google cloud, AWS.

2. How do we restore?

Ans: using third party tool or Microsoft.

3. How to create a restore point?

Ans: in system properties we can see a option- create restore point give him restore point location and done.

• Assignment level Advance:

1. Do a practical to create restore point

Ans: done.

2. Do a practical to restore from restore point.

Ans: done

3. Do a practical to take backup from another system.

Ans: done

4. Do a practical to take backup backup with a recuva backup tool.

Ans: done

Topic: Disk Management

- **Assignment level Basic:**

1. What is Disk management?

Ans: In disk management we can delete, change size, add partitions.

2. What is the use of disk management?

Ans: to delete, add, formate, and change size of partition

3. What are the merits of Disk management tool?

Ans: to get better space to disk, improve management, improve performance using defragmentation.

- **Assignment level Intermediate:**

1. Where can we find the disk management tool?

Ans: Windows+R and type diskmgmt.msc or right click on start menu and choose disk management.

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

Ans: to delete, add, formate, and change size of partition.

- **Assignment level Advance:**

1. Do a practical to create a new partition with disk management tool.

Ans: done

2. Do a practical to convert from MBR to gpt from disk management tool

Ans: done

3. Do a practical to create new partition from existing partition.

Ans: done

Topic: Device Management

- **Assignment level Basic:**

1. What is Device Management?

Ans: device management is a tool that have all drivers information and all hardware information.

2. What is the need of device management?

Ans: To manage drivers and hardware changes.

3. What are the benefits of Device management?

Ans: To manage, update drivers and see all the hardware.

- **Assignment level Intermediate:**

1. Where can we access device management?

Ans: Windows+R and type devmgmt.msc or right click on this pc and than properties and than device manager.

2. List out the devices connected to the device management.

Ans: Audio, Disk, monitors, keyboard, mouse, system, etc.

- **Assignment level Advance:**

1. Do a practical to add a device with device management tool.

Ans: done

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

Ans: done

Topic: Physical security

- ✘ **Assignment Level Basic**

1. Why physical security needed?

Ans: to protect data bridging, protect with hacker.

2. what is physical security?

Ans: physical security is a protection to protect hardware, network, data, software, institute etc.

✘ Assignment Level Intermediate

1. list out the ways of physical security.

Ans: CCTV, AI, SENSORS ETC.

2. How to protect system from malfunctioning due to electrical fluctuation?

Ans: use physical security.

Topic: Firewall settings

• Assignment level basic:

1. What is firewall?

Ans: fire wall is a device that help to secure network and also filter network traffic.

2. Why is firewall needed?

Ans: for safe networking, and better performance in internet.

• Assignment level Intermediate:

1. What are the features of firewall?

Ans: provide VPN, URL Blocking, filter network traffic, Etc.

2. Describe types of firewall

Ans: software firewall and hardware firewall.

• Assignment level advance:

1. Do a practical to allow anydesk through firewall

Ans: done.

2. do a practical to turn off the services of firewall.

Ans: done

3. Do a practical to block ip messenger to access the network.

Ans: done

Module 3 [Network Configuration]

Topic: Local area networking

- **Assignment level Basic:**

1. What is Network?

Ans: two or more pc or switch connected each other and communicate each other that's the network

2. What is Internet & Intranet?

Ans: The Internet is a global computer network that allows for information exchange between devices. An intranet is a private network that is only accessible to members of an organization.

- **Assignment level Intermediate:**

1. How many types of Network we used?

Ans: we are using 5 network.

2. Different between LAN & PAN?

Ans: lan can carry whole network in one building but pan can carry devices in short range.

- **Assignment level advance:**

1. Explain LAN?

Ans: lan means local area network if one or more pc communicate each other in same building it's connected with lan.

2. What are different types of LAN devices?

Ans: switch, router, firewall, modem, etc.