

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.

## Topic: configured Network

### ✘ Assignment Level Basic

1. What is configured network?

Ans: network configuration is a process, to communicate other pc's.

2. How do we configure network?

Ans: first we need to login using specified ip and then we need to do pppoe option then we need to add ssid and password done.

### ✘ Assignment level Intermediate.

1. How to check the ip address?

Ans: Windows+R and then type cmd and type ipconfig /all.

2. How to check the ip address through cmd.

Ans: Windows+R and then type cmd and type ipconfig /all.

3. How can we enter static address in network adapter?

Ans: Windows+R and then type ncpa.cpl then select network adapter then properties select protocol version 4 enter manually ip done.

### ✘ Assignment Level Advanced

1. Do a practical to release the packets from the adapter.

Ans: done

2. Do a practical to renew the lease of the ip address.

Ans: done

3. Do a practical to check the connectivity to the google.

Ans: done

## Topic: Wireless

### networking ✘

### Assignment level Basic:

1. What is the difference between WEP and WPA?

Ans: wep is not secure as wpa because it uses 64 bit encryption and wpa used

256bit for encryption.

2. What is Wireless Network?

Ans: wireless network is a frequency based network it can communicate pc without any cable using radio frequency.

- **Assignment level Intermediate:**

1. What is a wireless network connection?

Ans: wireless network connection is a frequency base connection that connect pc switch together without cables.

2. What are the basic concepts of networking?

Ans: switch, access point, routers.

- **Assignment level advance:**

1. What do you need to know about networking?

Ans: how Ethernet works, how switch, hub, router, access point works.

2. How do you explain computer networking?

Ans: computer networking is a concept that help one pc to communicate other pc or switch.

## Topic: Wireless networking

- **Assignment level Basic:**

1. What is the difference between WEP and WPA?

Ans: wep is not secure as wpa because it use 64 bit encryption and wpa used 256bit for encryption.

2. What is Wireless Network?

Ans: wireless network is a frequency based network it can communicate pc without any cable using radio frequency.

- **Assignment level Intermediate:**

1. What is a wireless network connection?

Ans: wireless network connection is a frequency base connection that connect pc switch together without cables.

2. What are the basic concepts of networking?

Ans: switch, access point, routers.

- **Assignment level advance:**

1. What do you need to know about networking?

Ans: how Ethernet works, how switch, hub, router, access point works.

2. How do you explain computer networking?

Ans: computer networking is a concept that help one pc to communicate other pc or switch.

## Topic: THE Internet

- **Assignment level Basic:**

1. What do you mean by the term URL?

Ans: URL means address it can help us to get data from internet.

2. Term which is used to see web pages is called what?

Ans: URL OR BROWSER.

- **Assignment level Intermediate:**

1. In the Ethernet which topology is used?

Ans: bus topology

2. Set of rules and regulations while working on internet, which term is used?

Ans: maybe protocol.

- **Assignment level advance:**

1. What do you mean by RAS?

Ans: RAS is a service that we can access one pc to another place.

2. What are the main search engines to get more website URL on Internet?

Ans: Google, Microsoft, bing ETC.

3. What does the PROTOCOL consist of?

Ans: communication between computers and set of rules.

## Topic: Virtualization

- **Assignment level Basic:**

1. What is Virtualization

Ans: virtualization is a technology that allows a computer to make a new virtual O.S.

2. What is the Difference between Full Virtualization and Para Virtualization?

Ans: In virtualization we can modify our virtual pc but in paravirtualization we can not modify virtual of its guest mode.

- **Assignment level Intermediate:**

1. What is Hyper-visor?

Ans: hypervisor is a tool that allows to make virtual machine.

2. What are different hypervisors available in Linux?

Ans: xen, virtual box, VMware, opens etc.

3. What is Virtualization and what are its types?

Ans: hyperV, VMware, xen, operating system, etc.

- **Assignment level advance:**

1. Name the components that are used in VMware infrastructure

Ans: vMotion, cloud, VMware, ESX etc. .

2. What is benefits of Virtualization?

Ans: we can run different virtual machines in on operating system without formatting.

## Module 4: Troubleshooting and Helpdesk

### Topic: Troubleshoot security

- **Assignment level Basic:**

1. What is troubleshooting?

Ans: troubleshooting is a technique that can fix any problem in o.s, software, in drivers, any application.

2. what is the need of troubleshooting security?

Ans: you need understanding of how security works and anti security tool needed also you need knowledge that how security actually work?

- **Assignment level Intermediate:**