**Module 3 [Network Configuration]**

**Topic: Local area networking**

**• Assignment level Basic:**

1. What is Network?

Ans. Two and more than two electronic’s device are connected with each other it’s called network.

2. What is Internet & Intranet?

Ans. Internet – This type of network we use any were using any network.

Intranet – This type of network we use only in our coverage area.

**• Assignment level Intermediate:**

1. How many types of Network we used?

Ans. There are 6 types of network.

[1] LAN ( Local Area Network )

[2] MAN ( Metropolitan Area Network )

[3] CAN ( Campus Area Network )

[4] PAN ( Personal Area Network ) / HAN ( Home Area Network )

[5] WAN ( Wide Area Network )

[6] WLAN ( Wireless Local Area Network )

2. Different between LAN & PAN?

Ans. A PAN connects the devices within the short range of an individual person, whereas a LAN connects devices at a single site, typically an office building.

**• Assignment level advance:**

1. Explain LAN?

Ans. A LAN consists of a series of computer linked together to form a network in a circumscribed location.

2. What are different types of LAN devices?

Ans. There are 6 types of LAN device.

[1] Hub [2] Switch [3] Wireless Access Point (WAP) [4] Router [5] Gateway [6] Bridge.

**Topic: configured Network**

**• Assignment Level Basic**

1. What is configured network?

Ans. Network configuration is the process of assigning network settings, policies, flows and controls.

2. How do we configure network?

Ans.

**• Assignment level Intermediate.**

1.How to check the ip address?

Ans. Select start > settings > network and internet > wifi and them select the wifi network you’re connected to. Under properties, look for your ip address listed next to IPv4 address.

2.How to check the ip address through cmd?

Ans. First click on start menu and type cmd in the search box and press enter > a black and white window will open where you will type ipconfig / all and press enter > to see your ip address.

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

Ans. Access the Control Panel. In the Windows search bar, type in “ncpa > Select the Network Adapter > Select Properties > Select Internet Protocol Version 4 (TCP/IPv4) > Manually enter IP address and subnet mask > Save Settings.> Revert Back to DHCP.

**• Assignment Level Advanced**

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

Ans Done In lab.

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

Ans. Done In Lab.

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

Ans. Done In lab.

**Topic: Wireless networking**

**• Assignment level Basic:**

1. What is the difference between WEP and WPA?

Ans. The WEP is Wireless Equivalent privacy and WPA is Wired Protected

Access.

2. What is Wireless Network?

Ans. Wireless is a term used to define telecommunication and data transmission without wires.

**• Assignment level Intermediate:**

1. What is a wireless network connection?

Ans. The wireless network is a network which is connected but not using a wire or any cable.

2. What are the basic concepts of networking?

Ans. A network is the combination of two or more computers and their connecting links.

**• Assignment level advance:**

1. What do you need to know about networking?

Ans. Computer networking refers to interconnected computing devices that can exchange data and share resources with each other.

2. How do you explain computer networking?

Ans. Computer networking refers to interconnected computing devices that can exchange data and share resources with each other.

**Topic: THE Internet**

**• Assignment level Basic:**

1. What do you mean by the term URL?

Ans. The URL is Universal Resource Locator.

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

Ans. 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. Protocols.

**• Assignment level advance:**

1. What do you mean by RAS?

Ans. Remote Access Service.

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

Ans. [1] [Google](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#google) [2] [Microsoft Bing](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#bing) [3] [Yahoo](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#yahoo) [4] [Baidu](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#baidu) [5] [Yandex](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#yandex)

[6][DuckDuckGo](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#duckduckgo) [7] [Ask.com](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#ask) [8] [Ecosia](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#ecosia) [9] [Aol.com](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#aol) [10] [Internet Archive](https://www.reliablesoft.net/top-10-search-engines-in-the-world/#archive).

3. What does the PROTOCOL consist of?

Ans. Protocol, in computer science, a set of rules or procedures for transmitting data between electronic devices, such as computers.

**Topic: Virtualization**

**• Assignment level Basic:**

1. What is Virtualization

Ans. Ek hi system os me multiple operating system install kar sake us process ko virtualization kahte he.

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

Ans. Full virtualization is less secure whereas para virtualization is more secure.

**• Assignment level Intermediate:**

1. What is Hyper-visor?

Ans. A program used to run or manage one or more than virtual machine.

2. What are different hypervisors available in Linux?

Ans.

3. What is Virtualization and what are its types?

Ans. Ek hi system os me multiple operating system install kar sake us process ko virtualization kahte he.

Types Of Virtualization :

[1] Application Virtualization [2] Data Virtualization [3] Desktop Virtualization

[4] Network Virtualization [5] Server Virtualization [6] Storage Virtualization.

**• Assignment level advance:**

1. Name the components that are used in VMware infrastructure What is benefits of Virtualization?

Ans. VMware Infrastructure Components :

[1] VMware ESX Server [2] VMware vCenter Server [3] VMware Infrastructure

Client (VI Client) [4] VMware Infrastructure Web Access (VI Web Access)

[5] VMware Virtual Machine File System (VMFS) [6] VMware Virtual

Symmetric Multi‐Processing (SMP) [7] VMware Vmotion [8] VMware

Storage Vmotion.