***Module 3 Network Configuration***

***Topic: Local Area Networking***

* ***Assignment level Basic***

1. ***What is a Network?***

*Ans. A network is the communication between computers or a group of computers which includes file sharing, device sharing etc.*

1. ***What is internet and intranet?***

*Ans. The internet is a large network of interconnected network. It is a publicly available network.*

*The Intranet is a private network which is made by the particular company for its own use.*

* ***Assignment level Intermediate***

1. ***How many types of networks we used?***

*Ans. We have used all of the LAN, MAN and WAN at various places.*

1. ***Difference between LAN and PAN?***

*Ans. The LAN is the Local Area network and the PAN is Personal area network. The lan covers more greater area and computer than PAN.*

* ***Assignment level advanced***

1. ***Explain LAN?***

*Ans. The LAN is local area Network which covers area up to 10 km and it is used by a small college campus or small companies to perform computer communication and file sharing.*

1. ***What are different types of LAN devices?***

*Ans. The different types of LAN devices are: Hub. Switch, NIC, etc.*

***Topic: Configured Networks***

* ***Assignment level basic***

1. ***What is a configured network?***

*Ans. The configured network is a network that have all the path set for routing and all the ip address assigning system is completed and it is well set for communication.*

* ***Assignment level Intermediate***

1. ***How to check the IP address?***

*Ans. Using ‘ipconfig’ in cmd.*

1. ***How can we enter static address in network adapter?***

*Ans. We can change the ip address using the control panel.*

* ***Assignment level Advanced***

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

*Ans. Done In lab.*

1. ***Do a practical to renew the lease of IP address.***

*Ans. Done in Lab.*

1. ***Do a practical to check the connectivity of google.?***

*Ans. Done in lab.*

***Topic: Wireless Networking***

* ***Assignment level Basic***

1. ***What is difference between WEP and WPA?***

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

1. *What is wireless network?*

*Ans. The wireless network is a network which is connected but not using a wire.*

* ***Assignment level Intermediate***

1. ***What is a wireless network connection?***

*Ans. A network which is connected without the use of wire is known as wireless network connections.*

*Topic: The internet*

* ***Assignment level Basic***

1. ***What do you mean by the term URL?***

*Ans. The URL is Universal Resource Locator.*

1. ***Term which is used to see web pages are called?***

*Ans. Browser*

* ***Assignment Level Intermediate***

1. ***In the ethernet which topology is used?***

*Ans. The Bus topology is used in ethernet.*

1. ***Set of rules and regulations while working on Internet, what?***

*Ans. Protocols*

* ***Assignment level Advanced***

1. ***What do you mean by RAS?***

*Ans. RAS is Rajasthan Administrative service.*

1. ***What are main search engine to get more website URL on internet?***

*Ans. Main search engines are: Google, Bing, Yahoo etc.*

***Topic: Virtualisation***

* ***Assignment level basic***

1. ***What is virtualisation?***

*Ans. Virtualisation* ***creates a simulated, or virtual, computing environment as opposed to a physical environment****. Virtualisation often includes computer-generated versions of hardware, operating systems, storage devices and more.*

1. ***What is difference between full virtualisation and para virtulisation?***

*Ans. Full virtualisation is less secure whereas para virtualisation 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.*

1. ***What are different types of hypervisor available in Linux.***

*Ans. Linux KVM. A KVM (kernel based virtual machine) is a GNU/Linux based project developed for x86 machines. ...*

*Xen. The Xen Project is one of the leading open source virtualisation platforms. ...*

*Microsoft Hyper-V. ...*

*Xvisor. ...*

*Oracle Virtual Box. ...*

*VMware Workstation Player. ...*

*Lguest. ...*

* ***Assignment level advanced***

1. ***Name the components that are used in VM ware infrastructure.***

*Ans.* ***VMware Infrastructure Components***

* *VMware ESX Server.*
* *VMware vCenter Server.*
* *VMware Infrastructure Client (VI Client)*
* *VMware Infrastructure Web Access (VI Web Access)*
* *VMware Virtual Machine File System (VMFS)*
* *VMware Virtual Symmetric Multi‐Processing (SMP)*
* *VMware VMotion.*
* *VMware Storage VMotion.*