INB251 Assignment Criteria Sheet

Criteria	Standards				
	Poor	*Satisfactory*	*Good*	*Outstanding*	*Marks*
Demonstrate the ability to install Linux on a Virtual Machine	☐Able to install Ubuntu Linux on a VMware virtual machine ☐ The user account is correctly labelled ☐ Able to create directories and files	☐ Able to describe the installation process ☐Able to describe some of the files used in the virtual machine ☐Able to describe the operation of VMplayer to indicate virtual hardware interfaces and how to operate a virtual machine ☐ Able to create a working simple UNIX script file ☐ Includes screenshots of process	☐ Shows good understanding of the Linux installation process ☐Able to clearly describe the purpose of all files used in the VMware virtual machine ☐ Shows good understanding of the Ubuntu operating system applications and desktop	☐ Shows excellent understanding of the Linux installation process ☐ Shows good understanding of Virtual Machines and associated software and is able to describe how they are created and configured ☐ Describes troubleshooting guide for possible errors and solutions to problems	10%
Demonstrate the ability to configure and operate windows file sharing	☐Able to share a folder using simple file sharing	☐ Able to share a folder using windows advanced file sharing ☐ Able to map shared folder to drive and correctly name the share Able to copy file into shared folder from another machine on the network ☐ Includes screenshots of process	☐ Shows good understanding of the windows file share system ☐Shows good understanding of the impact of permissions and users ☐ Able to describe one method for viewing windows file shares on a network ☐ Describes any incompatibility issues between different versions of windows	☐ Shows excellent understanding of the windows file share system ☐ Able to describe two method for viewing windows file shares on a network ☐ Describes troubleshooting guide for possible errors and solutions to problems	5%
Demonstrate skills in network analysis by capturing network traffic	☐ Able to install Wireshark on Ubuntu virtual machine	☐ Able to install Apache 2 Web server on Ubuntu virtual machine ☐ Able to capture HTTP traffic using Wireshark network analyser ☐ Includes screenshots of process	☐ Able to create basic web page and configure the Apache 2 Web server to enable the web page to be accessed from the network ☐ Shows good understanding of Wireshark network capture process ☐ Shows good understanding of most captured network traffic message components and protocols	☐ Shows excellent understanding of the Apache web server and Wireshark applications ☐ Shows excellent understanding of all captured network traffic message components and protocols ☐ Describes troubleshooting guide for possible errors and solutions to problems	10%

Demonstrate the principles of network subnetting by designing and simulating a network	☐ Some effort to manually calculate subnets	☐ Able to correctly calculate subnet masks, network addresses, broadcast addresses and host addresses ☐ Able to correctly install required components in Packet Tracer ☐ Able to successfully create some of the required scenarios in Packet Tracer	☐ Shows good understanding of subnetting ☐ Explains how subnets are calculated ☐ Able to describe the contents of the routing tables of the routers in the scenario ☐ Able to successfully create all required scenarios in Packet Tracer	☐ Shows excellent understanding of subnetting. ☐ Describes troubleshooting guide for possible errors and solutions to problems	10%
Effective Communication	☐ Written reports are submitted.	☐ Reports are reasonably structured, cover required material and are easy to understand.	☐ Reports are well structured and writing is of a reasonably high standard.	☐ Reports are very well structured, thoughts are very well organized and writing is of the highest professional standard.	5%

Total: out of 40