Networking fundamentals – Lab 1 IP Settings and Peer-to-Peer Connection Notes:

Harry Etherington

What is NIC ?

NIC - Network Interface Card.

Hardware device

Function – enable a PC to interface with a network.

This hardware is dependent on NIC software(drivers) and installation of

network protocol(s).

NIC function- Signals that Represent data bits on a network

Physical Layer (layer 1) media used to carry them

NIC is a data-link layer( layer-2)

MAC 48 bits long.

Computer each have a unique physical(MAC) address.