I. Lab Objectives

- Getting to know networking devices
- Understanding the functions of network devices
- Interconnecting network devices

II. Lab Content

1. Getting to know networking devices, your tutor will show you some of the devices as bellows:
   - Network Interface Card (NIC)
   - Switch
   - Router
   - Network Cables
   - Access Point Router
   - Modem(s)

2. Understanding the functions of network devices
   a. Network Interface Card (NIC)

   NIC function: ________________________________________________________
   Check the NIC of your PC (or laptop), its MAC is _________________________
   Cables (and connectors) can be used to connect your NIC: __________________
b. Switch

Role of switch in the network: ________________________________________________
Getting to know ports, type of cables and connectors to connect to switch

c. Router

Role of router in the network: ________________________________________________
Getting to know ports, type of cables and connectors to connect to router
d. Access Point Router (AP)

Role of AP router in the network: ______________________________________________

Getting to know ports, type of cables and connectors to connect to AP router

d. Modems

Distinguish:
• Dial-up Modem
• DSL Modem
• Cable Modem

For each type:
Role of the device in the network: ______________________________________________

Getting to know ports, type of cables and connectors to connect to the device
3. Interconnecting network devices

What type of cable is used for each connection?

a) ___________ cable is used to connect a host to a hub
b) ___________ cable is used to connect a host to a switch
c) ___________ cable is used to connect a host to a router
d) ___________ cable is used to connect a hub to a hub
e) ___________ cable is used to connect a hub to a switch
f) ___________ cable is used to connect a hub to a router
g) ___________ cable is used to connect a switch to a switch
h) ___________ cable is used to connect a switch to a router
k) ___________ cable is used to connect a router to a router

-------------------------------------------------------

Please, send comments and/or feedback to thai@cse.hcmut.edu.vn

cuu duong than cong . com