4.Basic\_Static\_Route\_Configuration.pka 실습 정리

< Solution >

0. Command for checking status

0.1 Check Running-config

Router#show running-config

0.2 Check Interface status

Router#show ip interface brief

0.3 Check Routing Table

Router#show ip route

1. Router Setting (R11, R12, R13)

1.1 Set Router hostname

Router>enable

Router#configure terminal

Router(config)#hostname R11

R11(config)#

1.2 Set password for enable

R11(config)#enable secret cisco

1.3 Turn off Auto Domain lookup

1.3.1 command:

R11(config)#no ip domain lookup

1.3.2

\* Escape DNS looking up message -> Ctrl + shift + 6)

1.4 Turn off session timeout

R11(config)#line console 0

R11(config-line)#exec-timeout 0

1.5 Synchronize console message

R11(config-line)#logging synchronous

1.6 Set vyt

1.6.1 Command:

R11(config)#line vty 0 4

R11(config-line)#no login

1.6.2

\* "no login" means -> login without password

2. Interface Setting

2.1 at PC (PC1, PC2, PC3)

2.1.1 PC1 -> Desktop -> IP Configuration

- Insert IP Address, Subnet Mask, Default Gateway values from the table above

2.2 at Router (R11, R12, R13)

2.2.1 FastEthernet

- Set Interface IP

R11(config)#interface FastEthernet 0/0

R11(config-if)#ip address {address} {subnet mask}

- bandwidth

R11(config-if)#bandwidth 1024

- (WERNNING) FastEthernet Ïùò encapsulation ÏÑ§Ï†ï

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- Turn on interface

R11(config-if)#no shutdown

2.2.2 Serial

- Set Interface IP

R11(config)#interface serial 0/0

R11(config-if)#ip address {address} {subnet mask}

- bandwidth

R11(config-if)#bandwidth 1024

- clock rate

R11(config-if)#clock rate 1000000

- ??????????????????????????

- encapsulation

R11(config-if)#encapsulation hdlc

- Turn on interface

R11(config-if)#no shutdown

2.2.3 Save running-config to startup-config

R11#copy running-config startup-config

3. Routing

3.1 To PC ((PC1), PC2, PC3)

!! WERNNING !!

destination network -> Use Representative IP address of target Device

gateway address

-> Use IP address of next router for reach destination (Ï§ëÍ∞Ñ ÏßÄÏ†êÏùò ÎùºÏö∞ÌÑ∞ IP)

-> No Representative IP address,

3.1.1 Routing

- R11(config)#ip route {destination network - PC2} {subnet mask} {gateway address }

- R11(config)#ip route {destination network - PC3} {subnet mask} {gateway address }

- R11(config)#ip route {destination network - R13} {subnet mask} {gateway address }