

BÁO CÁO LAB 5

Bài 5 a)

Activity Results

Time Elapsed: 00:34:35

Congratulations Do Quang Thang! You completed the activity.

Overall FeedbackAssessment ItemsConnectivity Tests

Expand/Collapse AllShow Incorrect Items

Assessment Items	Status	Points
Wireless		
Security Mode		
Authen Type	Correct	1
Pass Phrase	Correct	4
SSID	Correct	5
WRS2		
Default Gateway	Correct	10
DHCP Server		
DHCP Enable	Correct	10
Pools		0
Pool linksysPool		0
Default Gateway	Correct	10
Ports		
Internet		
IP Address	Correct	10
Link to S1		
Connects to FastEthernet0/7	Correct	5
Type	Correct	5
Wireless		0
Security Mode		
Authen Type	Correct	10
Pass Phrase	Correct	10
SSID	Correct	10
SSID BroadCast	Correct	10

Score : 100/100

Item Count : 13/13

Component	Items/Total	Score
Device Connection	2/2	10/10
Wireless Client Configuration	3/3	10/10
Wireless Router Configuration	8/8	80/80

Close

Bài 5 b)

Overall FeedbackAssessment ItemsConnectivity Tests

Expand/Collapse AllShow Incorrect Items

Assessment Items	Status	Points	Component
Network			
R1			
Ports			
GigabitEthernet0/0			
Description	Correct	3	Device
IP Address	Correct	3	Device
Port Status	Correct	3	Device
Subnet Mask	Correct	3	Device
GigabitEthernet0/1			
Description	Correct	3	Device
IP Address	Correct	3	Device
Port Status	Correct	3	Device
Subnet Mask	Correct	3	Device
Startup Config	Correct	3	Config
R2			
Ports			
GigabitEthernet0/0			
Description	Correct	3	Device
IP Address	Correct	3	Device
Port Status	Correct	3	Device
Subnet Mask	Correct	3	Device
GigabitEthernet0/1			
Description	Correct	3	Device
IP Address	Correct	3	Device
Port Status	Correct	3	Device

Score : 54/54

Item Count : 18/18

Component	Items/Total	Score
Configuration Management	2/2	6/6
Device Interface Configuration	16/16	48/48

Close

Bài 5 c)

Overall Feedback **Assessment Items** Connectivity Tests

Expand/Collapse All Show Incorrect Items

Assessment Items	Status	Points	Component
Network			
PC4			
✓ Default Gateway	Correct	2	Default Gateway Configuration
Ports			
FastEthernet0			
✓ IP Address	Correct	2	IPv4 Host Address Calculation
✓ Subnet Mask	Correct	2	IPv4 Subnet Mask Calculation
R1			
Ports			
GigabitEthernet0/0			
✓ IP Address	Correct	3	IPv4 Host Address Calculation
✓ Port Status	Correct	1	Device Interface Configuration
✓ Subnet Mask	Correct	3	IPv4 Subnet Mask Calculation
GigabitEthernet0/1			
✓ IP Address	Correct	3	IPv4 Host Address Calculation
✓ Port Status	Correct	1	Device Interface Configuration
✓ Subnet Mask	Correct	3	IPv4 Subnet Mask Calculation
S3			
✓ Default Gateway	Correct	3	Default Gateway Configuration
Ports			
Vlan1			
✓ IP Address	Correct	3	IPv4 Host Address Calculation
✓ Port Status	Correct	1	Device Interface Configuration
✓ Subnet Mask	Correct	3	IPv4 Subnet Mask Calculation

Score : 30/30
Item Count : 13/13

Component	Items/Total	Score
Default Gateway Configuration	2/2	5/5
Device Interface Configuration	3/3	3/3
IPv4 Host Address Calculation	4/4	11/11
IPv4 Subnet Mask Calculation	4/4	11/11

Close

Cho mô hình trên và địa chỉ 192.168.100.0/24, hãy xác định:

- Có bao nhiêu mạng con?

Ta cần chia 5 subnet .Vậy mượn 3 bits

➔ Subnet mask mới là : 27

- Thực hiện chia mạng con từ địa chỉ đã cho? Liệt kê các thông số gồm địa chỉ mạng, dãy địa chỉ host, địa chỉ broadcast của các mạng con đó và điền vào bảng sau:

Ta có 192.168.100.0/27

STT(subnet)	Địa chỉ mạng	Địa chỉ đầu	Địa chỉ cuối	Địa chỉ Broadcast
0	192.168.100.0	192.168.100.1	192.168.100.30	192.168.100.31
1	192.168.100.32	192.168.100.33	192.168.100.62	192.168.100.63
2	192.168.100.64	192.168.100.65	192.168.100.94	192.168.100.95
3	192.168.100.96	192.168.100.97	192.168.100.126	192.168.100.127
4	192.168.100.128	192.168.100.129	192.168.100.158	192.168.100.159
5	192.168.100.160	192.168.100.161	192.168.100.190	192.168.100.191
6	192.168.100.192	192.168.100.193	192.168.100.222	192.168.100.223
7	192.168.100.224	192.168.100.225	192.168.100.254	192.168.100.255

- Gán Subnet 0 cho mạng LAN kết nối đến GigabitEthernet 0/0 interface của R1
- Gán Subnet 1 cho mạng LAN kết nối đến GigabitEthernet 0/1 interface của R1
- Gán Subnet 2 cho mạng LAN kết nối đến GigabitEthernet 0/0 interface of R2
- Gán Subnet 3 cho mạng LAN kết nối đến GigabitEthernet 0/1 interface of R2
- Gán Subnet 4 cho kết nối giữa R1 to R2

Device	Interface	IP address	Subnet masks	Default Gateway
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R1	G 0/0	192.168.100.1	255.255.255.224	
	G 0/1	192.168.100.33	255.255.255.224	
	S 0/0/0	192.168.100.129	255.255.255.224	
R2	G 0/0	192.168.100.65	255.255.255.224	
	G 0/1	192.168.100.97	255.255.255.224	
	S 0/0/0	192.168.100.158	255.255.255.224	
S1	VLAN 1	192.168.100.2	255.255.255.224	192.168.100.1
S2	VLAN 1	192.168.100.34	255.255.255.224	192.168.100.33
S3	VLAN 1	192.168.100.66	255.255.255.224	192.168.100.65
S4	VLAN 1	192.168.100.98	255.255.255.224	192.168.100.97
PC1	NIC	192.168.100.30	255.255.255.224	192.168.100.1
PC2	NIC	192.168.100.62	255.255.255.224	192.168.100.33
PC3	NIC	192.168.100.94	255.255.255.224	192.168.100.65
PC4	NIC	192.168.100.126	255.255.255.224	192.168.100.97

