# E-LEARNING UT

# [010412300204] - Mạng máy tính - DL22CLC

| | |
|---|---|
| **Bắt đầu vào lúc** | Thứ tư, 3 Tháng 1 2024, 7:51 AM |
| **Trạng thái** | Đã xong |
| **Kết thúc lúc** | Thứ tư, 3 Tháng 1 2024, 8:48 AM |
| **Thời gian thực hiện** | 57 phút 5 giây |
| **Điểm** | 41,0/60,0 |
| **Điểm** | **6,8** trên 10,0 (**68**%) |

## Câu hỏi 1

Hoàn thành

Đạt điểm 1,0 trên 1,0

_____ implies that all subnets obtained from the same subnet mask.
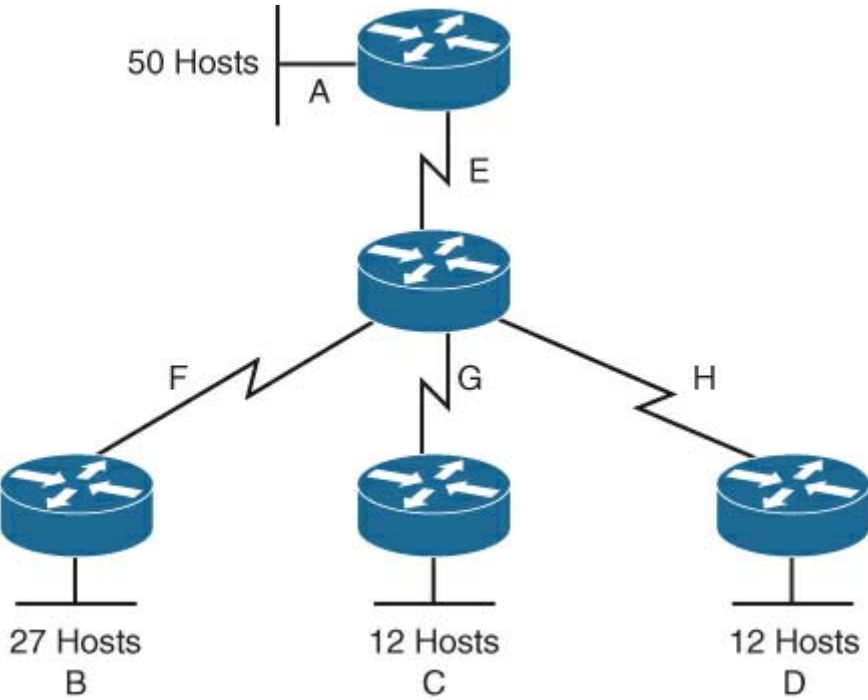
Select one:

- ⦿ a. Static subnetting
- ○ b. Dynamic subnetting
- ○ c. Dynamic length subnetting
- ○ d. Variable length subnetting

## Câu hỏi 2

Hoàn thành

Đạt điểm 0,0 trên 1,0

How many 8-port switches (layer 2) are needed to design a network according to the following diagram?



Select one:

- ○ A. 15
- ⦿ B. 13
- ○ C. 12
- ○ D. 14

Hoàn thành

Đạt điểm 1,0 trên 1,0

If you wanted to have 12 Hosts with a Class C network ID, which subnet mask would you use?

Select one:
- a. 255.255.255.252
- b. 255.255.255.255
- c. 255.255.255.248
- ● d. 255.255.255.240

## Câu hỏi 4

Hoàn thành

Đạt điểm 1,0 trên 1,0

The combination of _____ and _____ is often termed the local address of the local portion of the IP address.

Select one:
- a. Network number and subnet number
- ● b. Subnet number and host number
- c. Network number and host number
- d. Host number

## Câu hỏi 5

Hoàn thành

Đạt điểm 1,0 trên 1,0

The network address of 10.0.0.0/11 provides how many subnets and hosts?

Select one:
- ● a. 8 subnets, 2097150 hosts each
- b. 16 subnets, 1048574 hosts each
- c. 16 subnets, 1048576hosts each
- d. 8 subnets, 2097152 hosts each

## Câu hỏi 6

Hoàn thành

Đạt điểm 1,0 trên 1,0

The network address of 172.16.0.0/20 provides how many subnets and hosts?

Select one:
- ● a. 16 subnets, 4094 hosts each
- b. 14 subnets, 4096 hosts each
- c. 15 subnets, 4094 hosts each
- d. 16 subnets, 4096 hosts each

Hoàn thành

Đạt điểm 1,0 trên 1,0

The network address of 192.168.0.0/29 provides how many subnets and hosts?

Select one:

○ a. 32 subnets, 8 hosts each

○ b. 30 subnets, 8 hosts each

○ c. 8 subnets, 30 hosts each

◉ d. 32 subnets, 6 hosts each

## Câu hỏi 8

Hoàn thành

Đạt điểm 0,0 trên 1,0

What information does the Switch device rely on to transfer frames between ports?

Select one:

○ A. List of IP addresses

○ B. List of UDP ports

○ C. TCP port list

◉ D. MAC address and port mapping table

## Câu hỏi 9

Hoàn thành

Đạt điểm 1,0 trên 1,0

What is the subnet id of a host with an IP address 172.16.66.0/21?

Select one:

◉ a.  172.16.64.0

○ b.  172.16.48.0

○ c. 172.16.0.0

○ d. 172.16.72.0

## Câu hỏi 10

Hoàn thành

Đạt điểm 1,0 trên 1,0

What is the subnet mask 255.255.240.0 written in prefix?

Select one:

◉ A. /20

○ B. /21

○ C. /18

○ D. /19

Hoàn thành

Đạt điểm 0,0 trên 1,0

What kind of network can a LAN be considered as?

Select one:

○ A. Multicast

○ B. Unicast

○ C. Broadcast

○ D. Anycast

## Câu hỏi **12**

Hoàn thành

Đạt điểm 0,0 trên 1,0

When 2 or more bits in a data unit has been changed during the transmission, the error is called _____

Select one:

◉ A. double error

○ B. inverted error

○ C. random error

○ D. burst error

## Câu hỏi **13**

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following is a data link protocol?

Select one:

○ A. ethernet

◉ B. all of the mentioned

○ C. point to point protocol

○ D. hdlc

## Câu hỏi **14**

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following is the multiple access protocol for channel access control?

Select one:

○ A. CSMA/CA

○ B. HDLC

○ C. CSMA/CD

◉ D. Both CSMA/CD & CSMA/CA

Hoàn thành

Đạt điểm 0,0 trên 1,0

Which of the following tasks is not done by data link layer?

Select one:

- a. framing
- b.  error control
- c. channel coding
- d. flow control

## Câu hỏi 16

Hoàn thành

Đạt điểm 0,0 trên 1,0

Which sublayer of the data link layer performs data link functions that depend upon the type of medium?

Select one:

- a. logical link control sublayer
- b. error control sublayer
- c. network interface control sublayer
- d. media access control sublayer

## Câu hỏi 17

Hoàn thành

Đạt điểm 1,0 trên 1,0

You have a network that needs 10 subnets while maximizing the number of host addresses available on each subnet. How many bits must you borrow from the host field to provide the correct subnet mask?

Select one:

- a. 5
- b. 4
- c. 2
- d. 3

## Câu hỏi 18

Hoàn thành

Đạt điểm 0,0 trên 1,0

You have an IP address of 192.168.120.15 with a 255.255.255.192 subnet mask. What is your class of address, subnet address, and broadcast address?

Select one:

- a. Class C, Subnet 192.168.120.1, Broadcast address 192.168.120.64
- b. Class C, Subnet 192.168.120.0, Broadcast address 192.168.120.63
- c. Class C, Subnet 192.168.120.0, Broadcast address 192.168.120.127
- d. Class C, Subnet 192.168.120.0, Broadcast address 192.168.120.255

Hoàn thành

Đạt điểm 1,0 trên 1,0

You need to subnet a network into 30 subnets, each with at least 6 hosts. Which classful subnet mask would you use?

Select one:

- a. 255.255.255.240
- b. 255.255.255.252
- c. 255.255.255.224
- d. 255.255.255.248

## Câu hỏi 20

Hoàn thành

Đạt điểm 1,0 trên 1,0

You need to subnet a network into 5 subnets, each with at least 16 hosts. Which classful subnet mask would you use?

Select one:

- a. 255.255.255.192
- b. 255.255.255.224
- c. 255.255.255.240
- d. 255.255.255.248

## Câu hỏi 21

Hoàn thành

Đạt điểm 1,0 trên 1,0

Your router has the following IP address on Ethernet0: 172.16.2.1/23. Which of the following can be valid host IDs on the LAN interface attached to the router?

```
i. 172.16.1.100
ii. 172.16.1.198
iii. 172.16.2.255
iv. 172.16.3.0
```

Select one:

- a. iii and iv only
- b. i i only
- c. i only
- d. ii and iii only

Hoàn thành

Đạt điểm 1,0 trên 1,0

Your router has the following IP address on Ethernet0: 172.16.2.1/23. Which of the following can be valid host IDs on the LAN interface attached to the router?

```
i. 172.16.1.100
ii. 172.16.1.198
iii. 172.16.2.255
iv. 172.16.3.0
```

Select one:

- a. ii and iii only
- b. iii and iv only
- c. i i only
- d.  i only

## Câu hỏi 23

Hoàn thành

Đạt điểm 0,0 trên 1,0

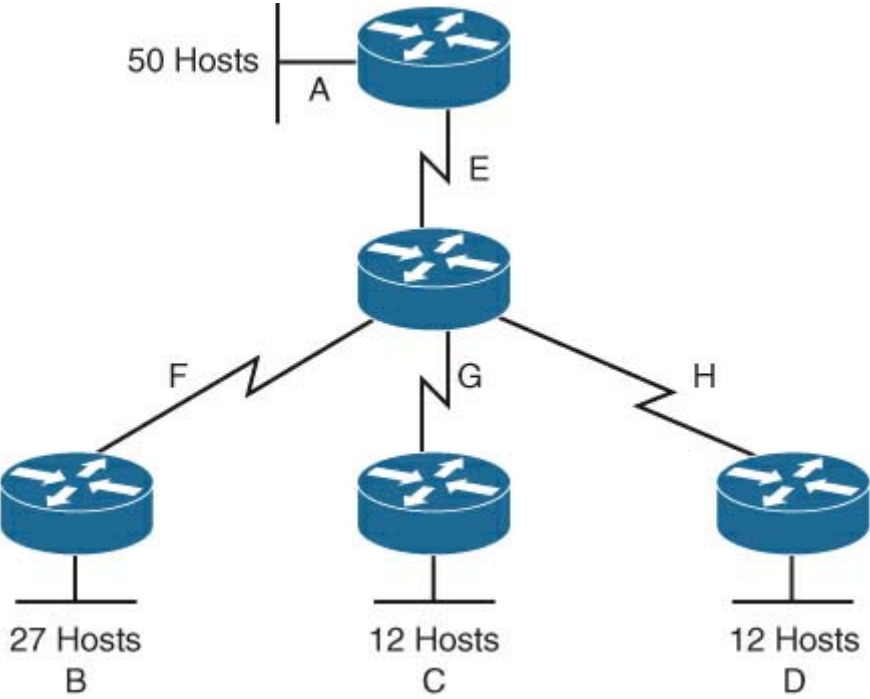During the packaging process, what data will the Data link layer receive from the upper layer?

Select one:

- A. Segment
- B. Frame
- C. Bits
- D. Datagram/packet

How many 16-port switches (layer 2) are needed to design a network according to the following diagram?



Select one:

○ A. 7

○ B. 6

○ C. 8

○ D. 5

## Câu hỏi 25

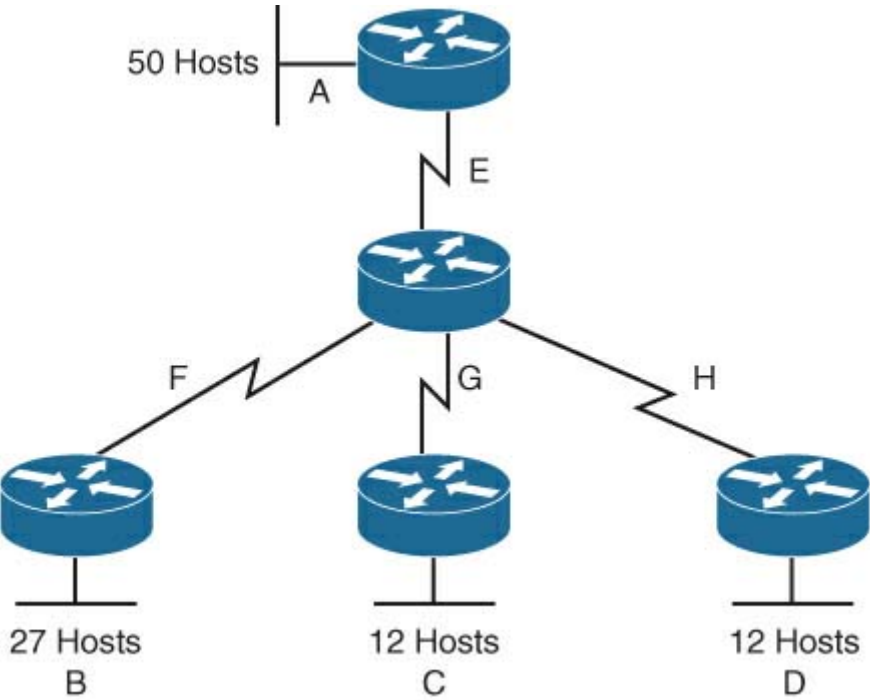How many 24-port switches (layer 2) are needed to design a network according to the following diagram?



Select one:

○ A. 8

○ B. 6

○ C. 7

○ D. 5

Hoàn thành

Đạt điểm 0,0 trên 1,0

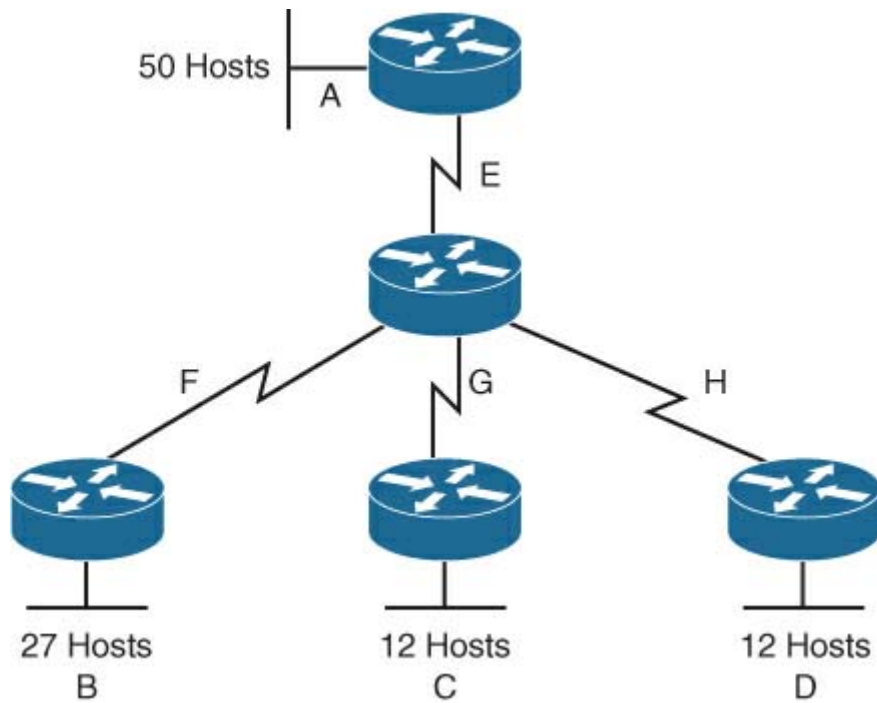How many 8-port switches (layer 2) are needed to design a network according to the following diagram?



Select one:

○ A. 15

◉ B. 13

○ C. 12

○ D. 14

## Câu hỏi 27

Hoàn thành

Đạt điểm 0,0 trên 1,0

What information does the Switch device rely on to transfer frames between ports?

Select one:

○ A. List of UDP ports

○ B. TCP port list

○ C. List of IP addresses

◉ D. MAC address and port mapping table

## Câu hỏi 28

Hoàn thành

Đạt điểm 0,0 trên 1,0
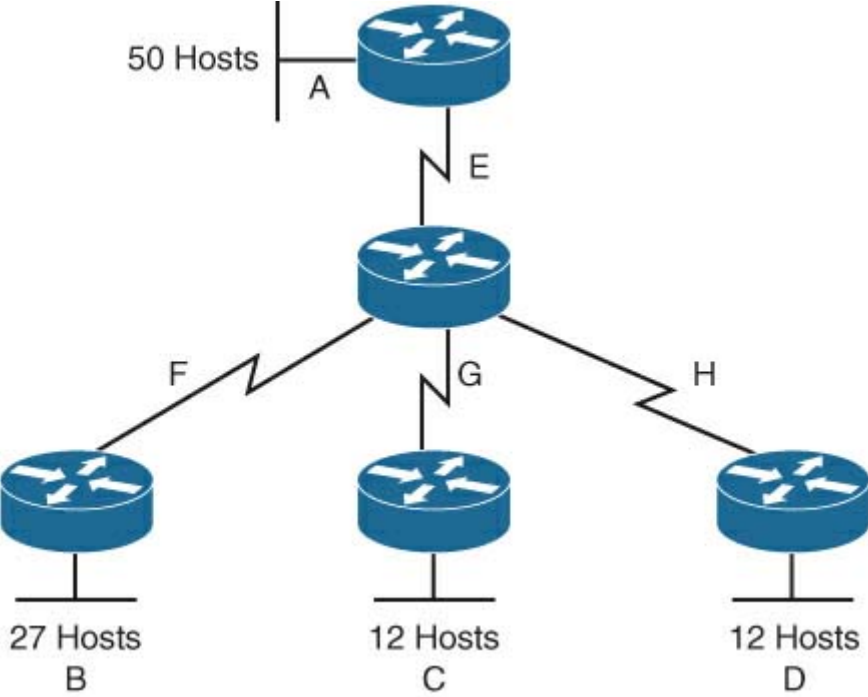
What kind of network can a LAN be considered as?

Select one:

○ A. Anycast

○ B. Broadcast

◉ C. Multicast

○ D. Unicast

Hoàn thành

Đạt điểm 0,0 trên 1,0

Given the following network diagram. With the initially allocated IP address space of 192.168.200.0/23. If dividing subnets with the FLSM (Fixed Length Subnet Mask) method, how many bits need to be borrowed to divide subnets to meet the requirements for number of subnets and number of hosts as shown in the diagram?
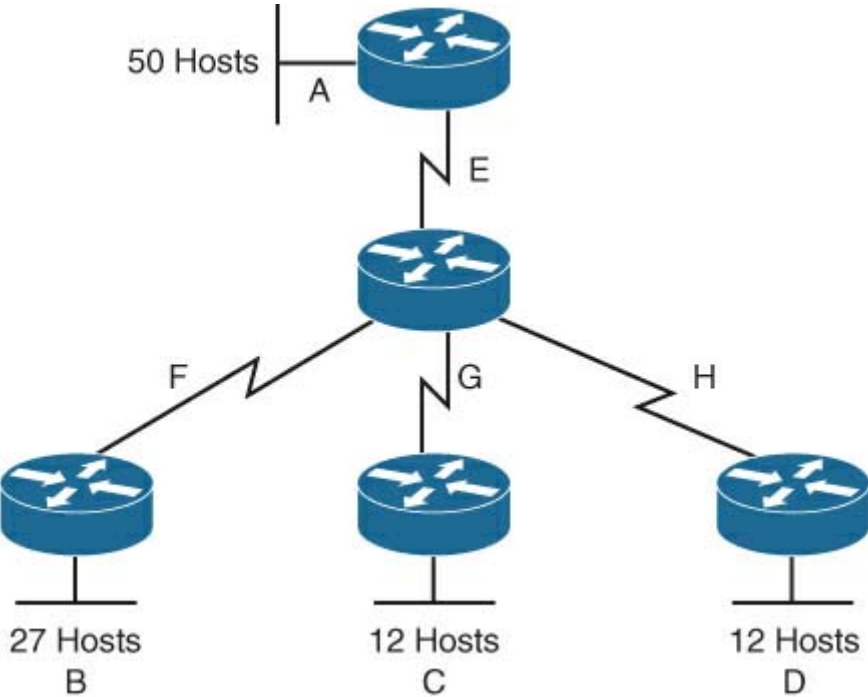


Select one:

○ a. 2

○ b. 4

○ c. 3

○ d. 1

## Câu hỏi **30**

Hoàn thành

Đạt điểm 0,0 trên 1,0

Given the following network diagram. With the initially allocated IP address space of 192.168.200.0/24. If subnets are divided with the VLSM method, subnet A will have an address of?
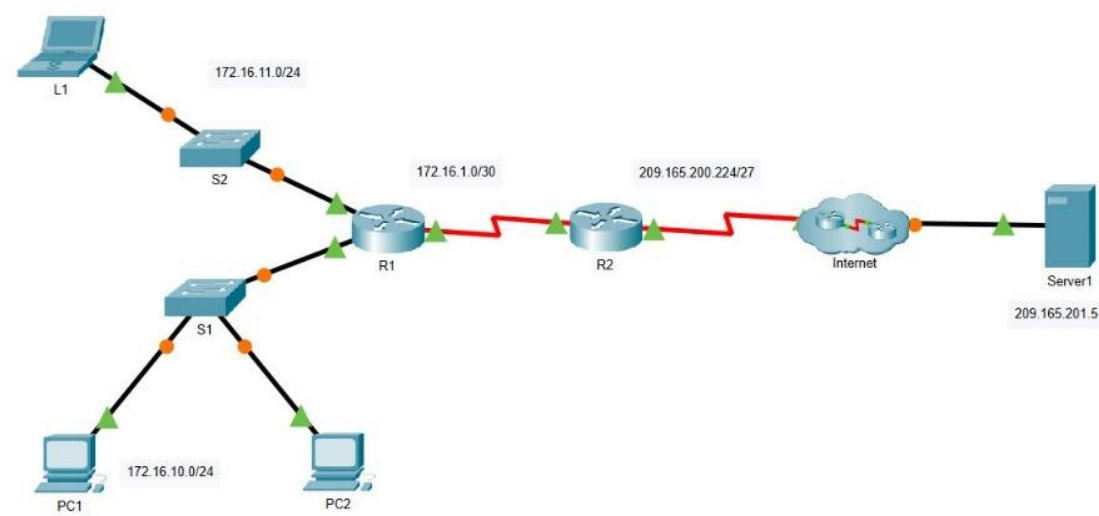


Select one:

○ a. 192.168.200.0/24

○ b. 192.168.200.0/27

○ c. 192.168.200.0/25

○ d. 192.168.200.0/26

Hoàn thành

Đạt điểm 1,0 trên 1,0

Given the following network model, for client L1, PC1, PC2 to access the Web Server with the domain name www.ut.edu.vn, which of the following services must the client use?


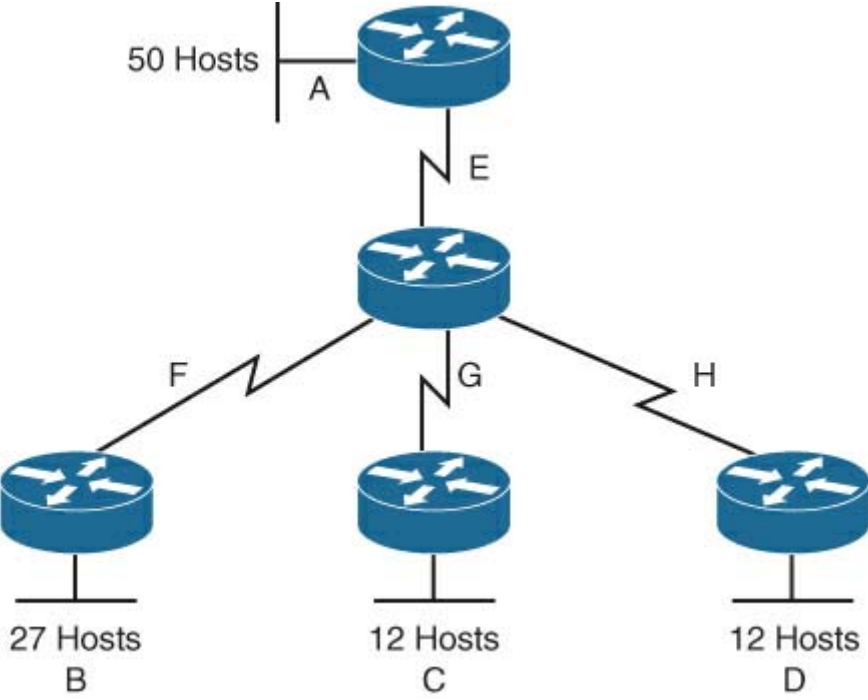
Select one:

- ◉ a. HTTP
- ○ b. WEBSite
- ○ c. FTP
- ○ d. www

# Câu hỏi **32**

Hoàn thành

Đạt điểm 0,0 trên 1,0

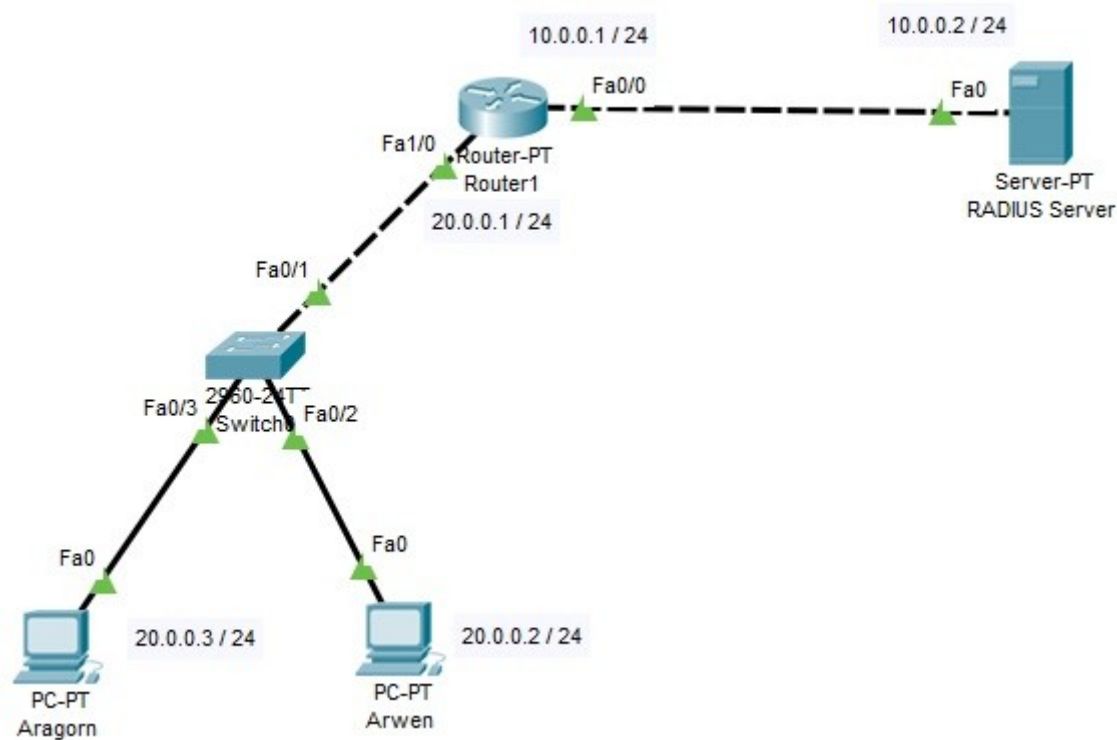In the following network diagram, how many IP addresses does network E need?



Select one:

- ◉ a. 1
- ○ b. 4
- ○ c. 3
- ○ d. 2

How many subnets does the following diagram?



Select one:

- ○ a. 3
- ○ b. 1
- ○ c. 4
- ◉ d. 2

## Câu hỏi 34

Hoàn thành

Đạt điểm 1,0 trên 1,0

The physical layer translates logical communication requests from the _____ into hardware specific operations.

Select one:

- ◉ a. data link layer
- ○ b. network layer
- ○ c. trasnport layer
- ○ d. application layer

## Câu hỏi 35

Hoàn thành

Đạt điểm 1,0 trên 1,0

Three or more devices share a link in _____ connection.

Select one:

- ◉ a. Multipoint
- ○ b. Unipoint
- ○ c. Simplex
- ○ d. Point to point

Hoàn thành

Đạt điểm 1,0 trên 1,0

Transport layer is implemented in _____

Select one:
- a. Signal transmission
- b. NIC
- ◉ c. End system
- d. Ethernet

## Câu hỏi 37

Hoàn thành

Đạt điểm 1,0 trên 1,0

Two devices are in network if _____

Select one:
- a. a process is running on both devices
- b. a process is active and another is inactive
- ◉ c. a process in one device is able to exchange information with a process in another device
- d. PIDs of the processes running of different devices are same

## Câu hỏi 38

Hoàn thành

Đạt điểm 1,0 trên 1,0

When collection of various computers seems a single coherent system to its client, then it is called _____

Select one:
- a. mail system
- b. computer network
- c. networking system
- ◉ d. distributed system

## Câu hỏi 39

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which address is used on the internet for employing the TCP/IP protocols?

Select one:
- a. specific address
- b. physical address and logical address
- ◉ c. all of the mentioned
- d. port address

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which address is used to identify a process on a host by the transport layer?

Select one:
- a. port address
- b. specific address
- c. logical address
- d.  physical address

# Câu hỏi 41

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which network topology requires a central controller or hub?

Select one:
- a. Ring
- b.  Bus
- c. Star
- d. Mesh

# Câu hỏi 42

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following computer networks is built on the top of another network?

Select one:
- a. prior network
- b. overlay network
- c. chief network
- d.  prime network

# Câu hỏi 43

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following layers is an addition to OSI model when compared with TCP IP model?

Select one:
- a. Application layer
- b.  Presentation layer
- c. Session and Presentation layer
- d.  Session layer

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following networks extends a private network across public networks?

Select one:
- a. enterprise private network
- b. storage area network
- ◉ c. virtual private network
- d. local area network

## Câu hỏi **45**

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following statements can be associated with OSI model?

Select one:
- a.  A structured way to discuss and easier update system components
- ◉ b. Functionality at one layer no way requires information from another layer
- c. It is an application specific network model
- d. One layer may duplicate lower layer functionality

## Câu hỏi **46**

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following statements is not applicable for cable internet access?

Select one:
- a. It is a shared broadcast medium
- ◉ b. Analog signal is converted to digital signal in DSLAM
- c. Cable modem connects home PC to Ethernet port
- d.  It includes HFCs

## Câu hỏi **47**

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of this is not a network edge device?

Select one:
- A. Servers
- B. PC
- C. Smartphones
- ◉ D.  Switch

Hoàn thành

Đạt điểm 1,0 trên 1,0

Wireless transmission of signals can be done via _____

Select one:

○ a. infrared

○ b. microwaves

◉ c. all of the mentioned

○ d. radio waves

## Câu hỏi **49**

Hoàn thành

Đạt điểm 1,0 trên 1,0

Pick the odd one out.

Select one:

○ a. E-mail

◉ b. Interactive games

○ c. File transfer

○ d. File download

## Câu hỏi **50**

Hoàn thành

Đạt điểm 1,0 trên 1,0

Transport services available to applications in one or another form _____

Select one:

◉ a. All of the mentioned

○ b. Timing

○ c. Reliable data transfer

○ d.  Security

## Câu hỏi **51**

Hoàn thành

Đạt điểm 1,0 trên 1,0

When displaying a web page, the application layer uses the _____

Select one:

○ a. TCP protocol

○ b. FTP protocol

○ c. SMTP protocol

◉ d. HTTP protocol

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following is an application layer service?

Select one:

- ○ a. All of the mentioned
- ○ b. Network virtual terminal
- ○ c. File transfer, access, and management
- ○ d. Mail service

## Câu hỏi 53

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which one of the following is an internet standard protocol for managing devices on IP network?

Select one:

- ○ a. media gateway protocol
- ○ b. dynamic host configuration protocol
- ● c. simple network management protocol
- ○ d. internet message access protocol

## Câu hỏi 54

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which one of the following is not an application layer protocol?

Select one:

- ○ a. media gateway protocol
- ● b. Resource reservation protocol
- ○ c. dynamic host configuration protocol
- ○ d. session initiation protocol

## Câu hỏi 55

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which one of the following is not correct?

Select one:

- ○ a. HTTP is a session layer protocol
- ○ b. Application layer protocols are used by both source and destination devices during a communication session
- ○ c. TCP is an application layer protocol
- ● d. All of the mentioned

Hoàn thành

Đạt điểm 0,0 trên 1,0

The network address of 10.0.0.0/8 provides how many subnets and hosts?

Select one:
- a. 0 subnets, 2777214 hosts each
- b. 2 subnets, 2777214 hosts each
- c. 4 subnets, 2777214 hosts each
- ⦿ d. 1 subnets, 2777216 hosts each

## Câu hỏi **57**

Hoàn thành

Đạt điểm 0,0 trên 1,0

The network address of 172.16.0.0/16 provides how many subnets and hosts?

Select one:
- a. 2 subnets, 65534 hosts each
- b. 4 subnets, 65534 hosts each
- c. 0 subnets, 65534 hosts each
- ⦿ d. 1 subnets, 65536 hosts each

## Câu hỏi **58**

Hoàn thành

Đạt điểm 0,0 trên 1,0

The network address of 192.168.0.0/24 provides how many subnets and hosts?

Select one:
- ⦿ a. 1 subnets, 256 hosts each
- b. 0 subnets, 254 hosts each
- c. 1 subnets, 255 hosts each
- d. 4 subnets, 255 hosts each

## Câu hỏi **59**

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of the following is the broadcast address for a Class C network ID using the default subnetmask?

Select one:
- a. 255.255.255.255
- b. 192.255.255.255
- c. 192.168.255.255
- ⦿ d. 192.168.0.255

Hoàn thành

Đạt điểm 1,0 trên 1,0

Which of this is not a class of IP address?

Select one:

○ a. Class D

○ b. Class C

○ c. Class E

● d. Class F

◄ **Students take multiple-choice tests to review course knowledge**

Chuyển tới...