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 Online Exams

Sri Lanka Institute of Information Technology

4
answered
out of
question

Which of the following statements is correct?

Select one:

- a. A failure in Network layer crashes the application
- b. A failure in Network layer affects entire communication
- c. A failure in Network layer affects Data Link layer
- d. A failure in Network layer stops the device from working entirely
- e. A failure in Network layer affects transport layer



Question 7

Not yet answered

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1.00

Flag question

Select the correct statement.

Select one:

- A private network is not directly connected to Internet.
- In a private network, it is mandatory to follow Internet standards.
- A private network is a set of interconnected intranets.
- None of the given answers are true.
- If a network is directly connected to Internet, it will become a part of Internet.



What is the correct statement about a Collision Domain?

Select one:

- A collection of two or more computers in which, if more than one sender tries to send data simultaneously, the signals will collide in the transmission media and make all the sent information unusable.
- A collection of two or more computers in which, one computer tries to send data after another computer, the signals will collide in the transmission media and make all the sent information unusable.
- In a router, all ports are in a single collision domain
- None of the mentioned is true.
- A collection of two or more computers in which, if one sender tries to send data, the signal will collide in the transmission media and make the sent information unusable.

Next page

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DEC

1

MCQ

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9

16

23

STRUCTURE

24



Question 3
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Flag question

Which of the following is not a responsibility of the Data Link layer?

Select one:

- a. Physical addressing (MAC address)
- b. Flow control
- c. Routing
- d. Framing - Ethernet frame
- e. Access control

Optical fibers operate based on an optical phenomena known as,

Select one:

- Total reflection.
- None of the mentioned is true.
- Total internal reflection.
- Total signal reflection.
- Total external reflection.

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Select the correct statements about network characteristics. (Select two)

Select one or more:

- Reliability indicates the non-dependability of the components that make up the network.
- The logical topology is the arrangement of cables, network devices, and end systems.
- Availability is a measure of the probability that the network will be available for use when it is required.
- The data rate is measured by bits per second of a given link in the network.
- Scalability indicates how many nodes are currently on the network.

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Question 4
Not yet answered
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[Flag question](#)

Match the given IPv4 Address to the correct Class

130.59.135.4	Choose... ▾
227.21.6.173	Choose... ▾
210.59.135.4	Choose... ▾
10.59.135.4	Choose... ▾

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Which of the following statement is NOT true?

Select one:

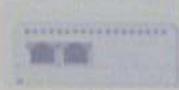
- a. Unguided media transmission requires an antenna
- b. Fiber optics is an example of Unguided media
- c. Unguided media signals are transmitted into air
- d. Unguided media are also known as as wireless communication
- e. Unguided media uses electromagnetic waves



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Which of the following statement is true regarding the given figure?



Repeater



Hub

Select one:

- a. These devices are used to build a PAN
- b. These devices are used to connect multiple networks
- c. These devices are used to build a LAN
- d. These devices cannot be used to create a network

Moodle

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Question 3
Not yet answered
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Flag question

Which of the following is NOT a correct statement regarding Firewalls?

Select one:

- a. Packet Filtering is a method used in Firewalls
- b. Firewall can provide 100% security to a network
- c. A firewall controls traffic and helps prevent unauthorized access
- d. A Firewall resides between two or more networks
- e. URL Filtering is a method used in Firewalls



**Question 4**

Not yet answered

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1.00 Flag question

Match the given addresses to appropriate network addressing term.

255.255.255.0

Class C Subnet Mask ▾

172.16.10.9

IPv4 Address ▾

2001:db8:85a3::8a2e:370:7334

IPv6 Address ▾

34-F3-9A-36-68-BB

MAC Address ▾

255.0.0.0

Class A Subnet Mask ▾

Next page

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Which of the following statement is true?

Select one:

- a. Both IP and MAC addresses are virtual addresses
- b. MAC Address is logical address
- c. IP Address is a physical Address and MAC Address is a logical Address
- d. IP Address is a physical Address
- e. IP Address is a logical Address and MAC Address is a physical Address

Select the correct elements/components that make up a network.

Select one:

- Service, Medium, Packet, Protocols.
- Device, Medium, Message, Protocols.
- Device, Medium, Message, Rules.
- Device, Wire, Message, Rules.
- Service, Medium, Packet, Rules.

What does a Protocol define?

Select one:

- Protocol defines when data is communicated.
- Protocol defines what data is communicated.
- Protocol defines how data is communicated.
- None of the mentioned is true.
- Protocol defines why data is communicated.

Match the correct port category description to port numbers.

Dynamic/Private port numbers

Choose...

Registered port numbers

Choose...

Well-known port numbers

Choose...

Choose...

1024 to 49151

0 to 1023

0 to 65535

49152 to 65535

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Select the statement which is not true.

Select one:

- The internet is defined as a global mesh of interconnected networks.
- The internet architecture standards are defined by Internet Architecture Board.
- The internet is a public network.
- The protocols related to the Internet is defined by IETF and IRTF
- The internet is owned by Internet Society (ISOC).



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What is the correct decimal representation of the following IPv4 address?

11000000.10101000.00001010.00001011

Select one:

- a. 192.148.0.11
- b. 172.11.10.11
- c. 192.168.10.11
- d. 192.128.0.11
- e. 192.168.10.1

Match the correct threat type to the given scenario.

A Denial of Service Attack (DoS) using ping command	Choose...
Lots of rain causing floods and damaging the data center	Choose...
A Malware program attached to another program to execute a particular unwanted function on a workstation	Choose...

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10
answered
out of
question

What is **not** a technology used in Local Area Networks (LAN)

Select one:

- 10 Gigabit Ethernet
- Ethernet
- Fast Ethernet
- Token ring
- Virtual Private Network

Devices on one network can communicate with devices on another network via. (Select two)

Select one or more:

- Multiplexer
- Hub
- Gateway
- Printer
- Router

The screenshot shows a web-based online exam system. At the top, there's a blue header bar with the text "Online Exams" and "Sri Lanka Institute of Information Technolog". Below the header, the main content area has a white background. A question is displayed: "What is the meaning of "Broadcasting" in Networking?". Underneath the question, the instruction "Select one:" is followed by five options, each preceded by a radio button:

- Addressing a packet to group of machines.
- Addressing a packet to all machines.
- Addressing a packet to a particular machine.
- Addressing a packet to all except a particular machine.
- None of the mentioned is correct.

The screenshot shows a web-based online exam system. At the top, there is a blue header bar with the text "Online Exams" and "Sri Lanka Institute of Information Technology". Below the header, there is a question card titled "Match the description with the appropriate ISO-OSI Layer". The question card contains four statements with dropdown menus for selecting the corresponding layer:

Description	Layer
Provide reliable process to process message delivery	Transport Layer
Translate, Encrypt & Compress Data	Presentation Layer
Organizes bits into frames which helps hop-to-hop delivery	Data Link Layer
Allows users to access network resources	Application Layer

The "Transport Layer" dropdown is currently selected. The "Data Link Layer" dropdown is highlighted with a blue border, indicating it is the active or next item to be selected.



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A television broadcast is an example of _____ transmission

Select one:

- Automatic
- Half duplex
- Full duplex
- None of the given answers are correct.
- Simplex

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Question 7

Not yet answered

Marked out of 1.00

Flag question

An unauthorized user is a network _____ issue.

Select one:

- security
- reliability
- scalability
- quality of service
- availability

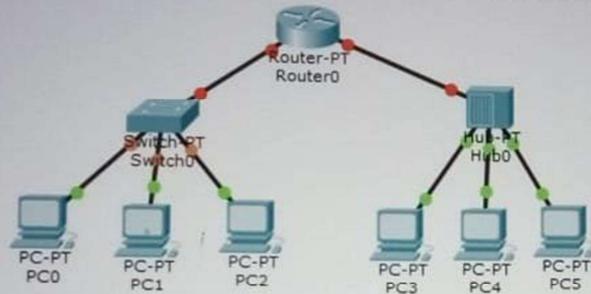
Question 3

Not yet answered

Marked out of
1.00

Flag question

Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- There are total number of two broadcast domains in the network.
- There are total number of five collision domains in the network.
- There are total number of six broadcast domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of four collision domains in the network.

**Sri Lanka Institute of Information Technology****Question 8**

Not yet answered

Marked out of
1.00

Flag question

Which of the following are NOT real time application scenarios? (Select Two)

Select one or more:

- a. Facebook live video
- b. Downloading an email attachment from an Email App
- c. Skype Video Conference
- d. What's App Call
- e. Downloading a movie using a file sharing application
- f. Zoom live webinar



Online Exams

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7
Answered
out of
question

ADSL is the abbreviation of,

Select one:

- Asymmetric Digital Subscriber Line
- Asymmetric Dual Subscriber Line
- Asymmetric Dual System Line
- None of the mentioned is true.
- Asymmetric Digital System Line



Online Exams

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Select the correct statement about hubs.

Select one:

- Hub functions are similar to switch.
- Hub always unicast messages.
- Hub always broadcast messages.
- Hub maintains a MAC table for data forwarding
- None of the given statements are true

Moodle

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Question 7
Not yet answered
Marked out of 25
Flag question

Match the correct Security Term to given Courseweb scenarios.

Lecturers are allowed to delete files in Courseweb but Students Can only view the file. Choose... ▾

Using a username and password to login to Courseweb Choose... ▾

A log file keeps a record on what time a student submitted a file to Courseweb. Choose... ▾

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Select the correct statements about Dial up connection. (Select two)

Select one or more:

- Digital service.
- Each service is billed separately.
- Provides low speed.
- Doesn't provide a continuous connection. Need to dial up to connect.
- Has a fixed monthly rental.



 Online Exams

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What is the correct statement about a Broadcast Domain?

Select one:

- A collection of two or more computers in which, when one sender sends a message, it is received by all other computers in the collection.
- None of the mentioned is true.
- A collection of two or more computers in which, when one sender sends a message, it is received by all other computers in the collection.
- A collection of two or more computers in which, when one sender sends a message, it is received by all other computers in the collection.
- A collection of two or more computers in which, when one sender sends a message, it is received by all other computers in the collection.

DK



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Network address speed(In Mbps) of a certain device is equal 32. What is the networking speed of the device in Kilobytes/second?

Select one:

- a. 8×1000 kilobytes
- b. 32×1000 kilobytes
- c. 32×100 kilobytes
- d. 4×1000 kilobytes
- e. 32×10 kilobytes



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Match the ISO-OSI Layer to correct address type used in Network Communications.

Transport Layer

Port Address

Data Link Layer

MAC Address

Network Layer

IP Address

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What is the meaning of "Broadcasting" in Networking?

Select one:

- Addressing a packet to all machines.
- Addressing a packet to all except a particular machine.
- Addressing a packet to group of machines.
- None of the mentioned is correct.
- Addressing a packet to a particular machine.

ASUS VivoBook

Sri Lanka Institute of Information Technology

What is "Attenuation" in a data transmission medium?

Select one:

- Reflecting of a signal at an interface.
- None of the mentioned is true.
- One signal getting mixed up with another signal.
- Loss of signal strength.
- An unwanted signal component.

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For the given IP address find the following.

IP address: - 192.168.168.2

- Network address: 192 . 168 . 168 . 0
- Subnet mask: 255 . 255 . 255 . 0
- Broadcast address: 192 . 168 . 168 . 255
- 1st usable IP address: 192 . 168 . 168 . 1
- Last usable IP address: 192 . 168 . 168 . 254
- IP Address Class: c (Only type the Letter)

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John typed 'ipconfig' command while being connected to his home WiFi and obtained the following output. Which of the following computers/devices can be connected to John's home network?

```
IPv4 Address. . . . . : 172.20.2.1 <Preferred>
Subnet Mask . . . . . : 255.255.0.0
Default Gateway . . . . . : 2001:470:ed3d:1000::1
DHCPv6 IAID . . . . . : fe80::2e8:4cff:fe68:43d0%3
DHCPv6 Client DUID . . . . . : 172.20.0.1
DNS Servers . . . . . : 60578958
NetBIOS over Tcpip. Connection-specific DNS Suffix Search List : 00-01-00-01-1E-88-A9-CE-9C-5C-8E-8F-2F-1
Answer: 65534
```



5

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Select the statement which is not true.

Select one:

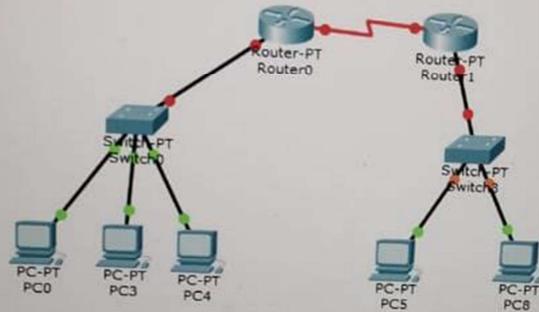
- The internet is owned by Internet Society (ISOC).
- The protocols related to the Internet is defined by IETF and IRTF
- The internet architecture standards are defined by Internet Architecture Board.
- The internet is a public network.
- The internet is defined as a global mesh of interconnected networks.

Question 17

Not yet answered
Marked out of
1.25

Flag question

Which of the following statements describe the network shown in the graphic? (Select two)



Select one or more:

- There are total number of four collision domains in the network.
- There are total number of four broadcast domains in the network.
- There are total number of eight collision domains in the network.
- There are total number of seven collision domains in the network.
- There are total number of two broadcast domains in the network.
- There are total number of three broadcast domains in the network.

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 Online Exams

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23 Answered out of 100 Question

Which of the following statements are true? (select two),

Select one or more:

- Point to point connection is always build using a copper cable.
- A multipoint connection is a connection established between more than two devices.
- Multi-point connection is always build using a wireless media.
- Point-to-Point connection provides a dedicated link between the two devices.
- Point to point connection is always build using a wireless media.

F4 F5 F6 F7 F8 F9 F10

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