

What is a main difference between a Switch and a Bridge?

Select one:

- ☐ Switch is large and a bridge is small.
- ☐ A bridge is used to connect LANs whereas a switch is used to create a LAN
- ☐ Bridge is used to segment a LAN while Switch is used to interconnect different LANs.
- ☐ There is no difference.
- ☐ Bridge is a dumb device while switch is an intelligent device.



Online Exams

Sri Lanka Institute of Information Technology

on 5

at answered

ed out of

ag question

What is the amount of bits that require to address 256MB

Select one:

- ☐ a. 28
- ☐ b. 26
- ☐ c. 32
- ☐ d. 30
- ☐ e. 42



Online Exams

Sri Lanka Institute of Information Technology

Question 12

Not yet answered

Marked out of 1.00

Flag question

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



NetExam

Sri Lanka Institute of Information Technology

Question 35

Not yet answered

Marked out of 0.6

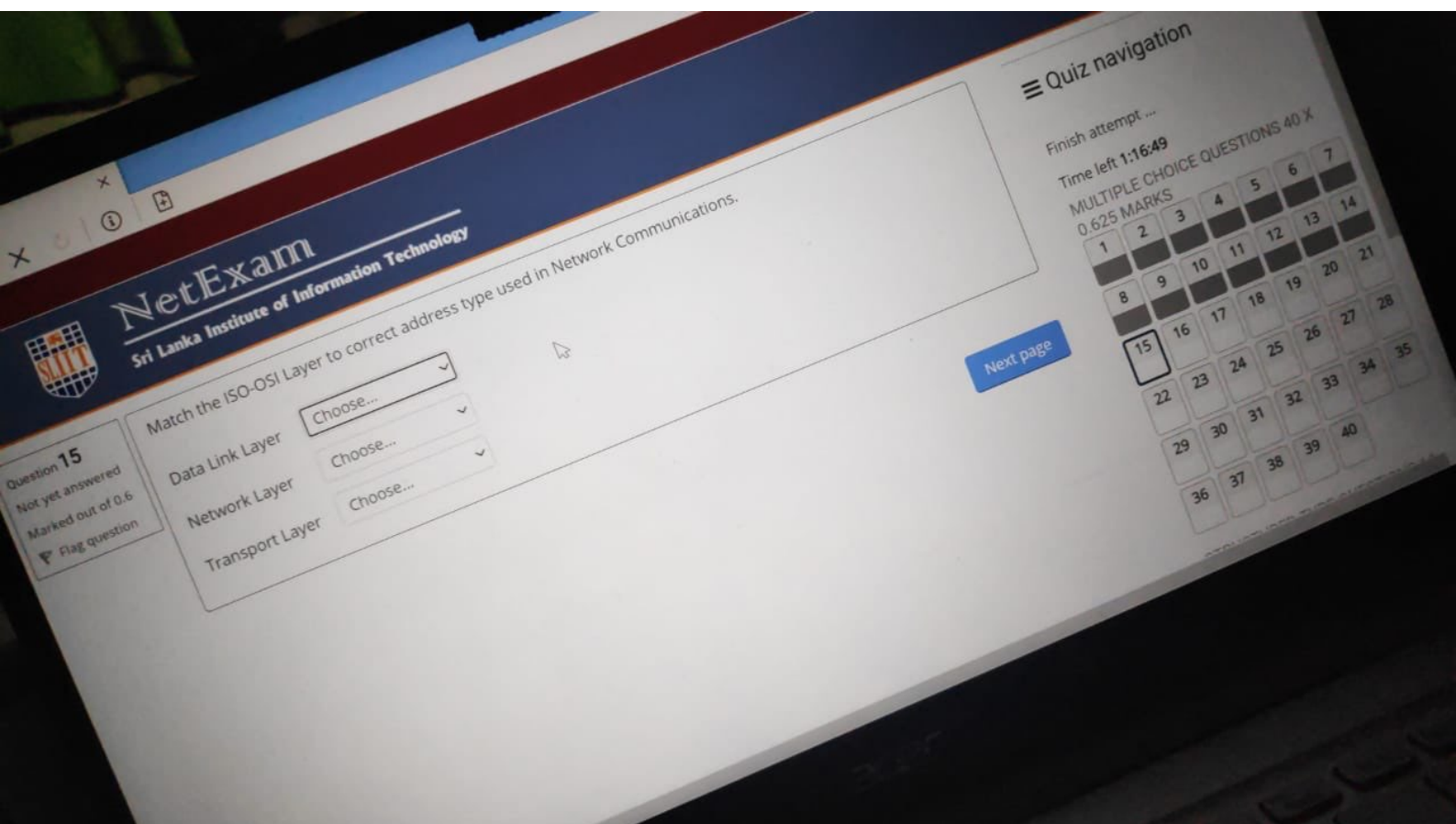
Flag question

Select the **incorrect** statement.

Select one:

- ☐ A WAN spans across a large geographical area. It is a geographically-dispersed collection of LANs.
- ☐ Internet is the largest WAN spanning the entire globe.
- ☐ A network spanning over a geographical area larger than a LAN, but smaller than a WAN, such as a city, is called a MAN.
- ☐ Switches are used to connect LANs to a WAN.
- ☐ A LAN connects network devices over a relatively small geographical area.

Next page



NetExam

Sri Lanka Institute of Information Technology

Copper cables are one of the most popular wired transmission medium because,

Select one:

- ☐ It is less costly in maintenance and installation.
- ☐ It is the only guided medium available.
- ☐ It uses differential signalling for signal transmission.
- ☐ Copper cables can bend in any direction.
- ☐ There are multiple number of cables.



Online Exams

Sri Lanka Institute of Information Technology

Question 8

Not yet answered

Marked out of
1.00

Flag question

Copper cables are one of the most popular wired transmission medium because,

Select one:

- ☐ Copper cables can bend in any direction.
- ☐ It is the only guided medium available.
- ☐ It is less costly in maintenance and installation.
- ☐ There are multiple number of cables.
- ☐ It uses differential signalling for signal transmission.

Next page



Question 12

Not yet answered

Marked out of
1.00

Flag question

What is the meaning of "Broadcasting" in Networking?

Select one:

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

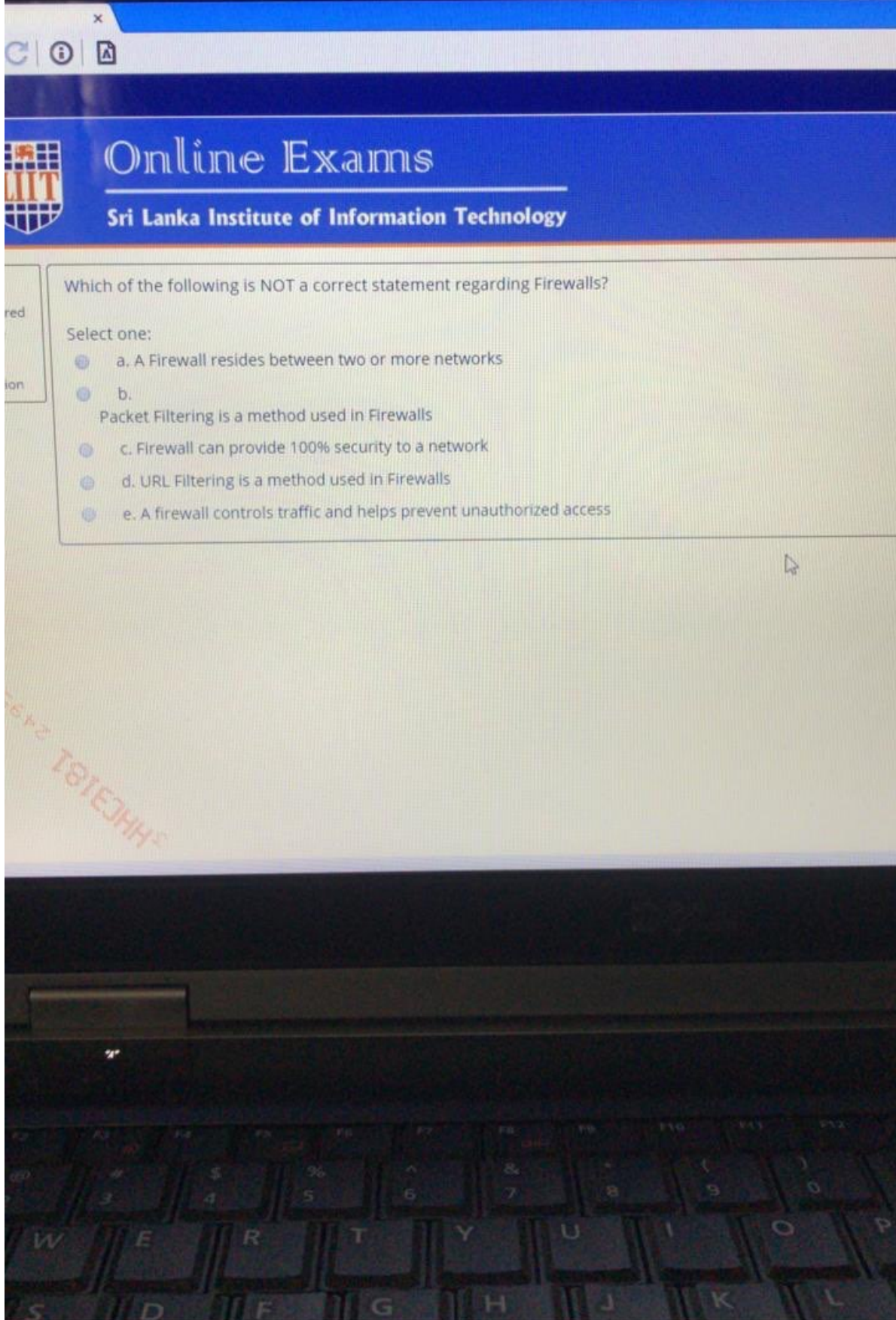
NetExam

Sri Lanka Institute of Information Technology

Select the correct statement about hubs.

Select one:

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





Question 3

Not yet answered

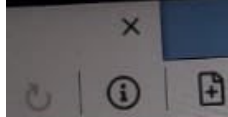
Marked out of
1.25

Flag question

Which one is not hard disk - performance parameters

Select one:

- ☐ a. Transfer time
- ☐ b. Refresh time
- ☐ c. Seek time
- ☒ d. Rotational delay
- ☐ e. Access time



NetExam

Sri Lanka Institute of Information Technology

Which of the following statement is NOT true?

Select one:

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

on 6
t answered
d out of 0.6
ag question

Select the statement which is not true.

Select one:

- ☐ The internet is defined as a global mesh of interconnected networks.
- ☐ 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 owned by Internet Society (ISOC).
- ☐ The internet is a public network.

 Next page



Question 24

Not yet answered

Marked out of 0.6

Flag question

Select the most suitable statement.

Select one:

- ☐ Converged networks are LANs.
- ☐ None of the given statements are true.
- ☐ Converged networks carry data, voice, video & images over the same network.
- ☐ Converged networks are private networks.
- ☐ Converged networks carry social networking data.

Next page



Online Exams

Sri Lanka Institute of Information Technology

Question 24

Not yet answered

Marked out of
3.00

Flag question

Complete the missing parts of the binary form of following IPv4 address:

IPv4 Address: 198.169.11.3

- IPv4 Address in Binary: . . 00001011 . 00000011
- How Many Hosts Can be Connected this Network:

Question 4

Not yet answered

Marked out of 5

Flag question

Which of the following statements is correct?

Select one:

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

What are the correct statements about "MAC address table"? (select two)

Select one or more:

- ☐ MAC address table is used by routers
- ☐ MAC address table is created for each computer
- ☐ MAC address table is used by switches
- ☐ MAC address table is a collection of MAC addresses with the respective connected ports
- ☐ None of the given answers are true

DELL

Select the correct statement about hubs.

Select one:

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

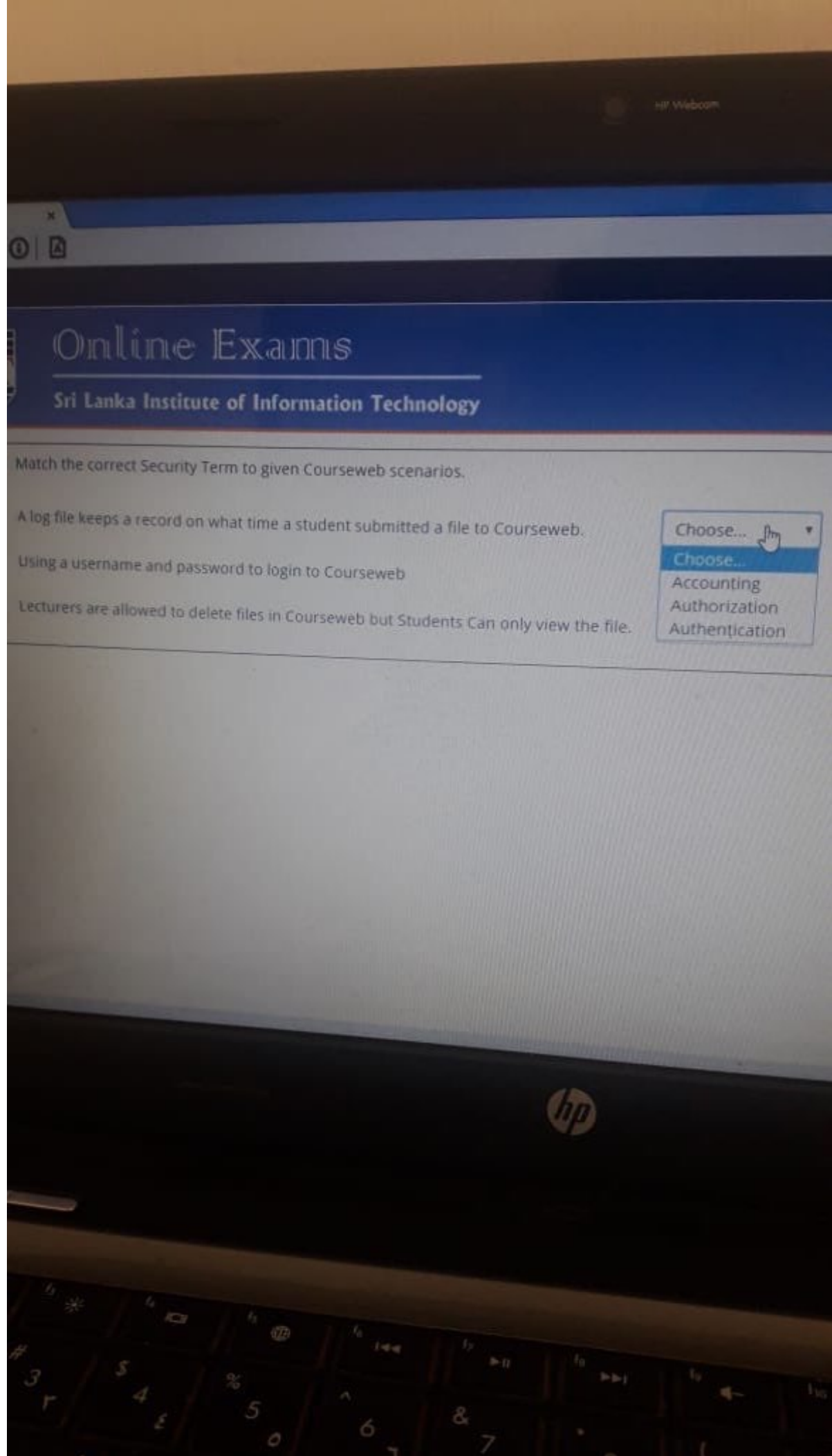
NetExam

Sri Lanka Institute of Information Technology

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

Select one or more:

- ☐ Gateway
- ☐ Multiplexer
- ☐ Hub
- ☐ Router
- ☐ Printer





NetExam

Sri Lanka Institute of Information Technology

13

answered
out of 0.6
question

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

Select one or more:

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



NetExam

Sri Lanka Institute of Information Technology

Question 13

Not yet answered

Marked out of 0.6

Flag question

Match the given addresses to appropriate network addressing term.

255.0.0.0

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

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

172.16.10.9

255.255.255.0

Choose...

Choose...

Class C Subnet Mask

IPv4 Address

MAC Address

IPv6 Address

Class A Subnet Mask

Choose...

Next



Online Exams

Sri Lanka Institute of Information Technology

Match the description with the appropriate ISO-OSI 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 ▼

Match the correct threat type to the given scenario.

A Malware program attached to another program to execute a particular unwanted function on a workstation

Lots of rain causing floods and damaging the data center

A Denial of Service Attack (DoS) using ping command

Choose...

Choose...

Physical Security Threat

Network Security Threat

Application Security Threat

Next page

What is the correct statement about a Collision Domain?

Select one:

- ☐ 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.
- ☐ 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.

Next page



Question 19
Not yet answered
Marked out of
1.00
Flag question

What is "Attenuation" in a data transmission medium?

Select one:

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

Question 20

Not yet answered

Marked out of
3.00

Flag question

Change the following IP address from binary notation to dotted decimal and find the IPv4 Address Class.
Binary Form = 10101100 00001010 11001000 01101000

- IPv4 Address in Decimal: . . .
- IP Address Class:



NetExam

Sri Lanka Institute of Information Technology

5
answered
of 0.6
question

Which of the following is not a benefit of the layered networking model?

Select one:

- ☐ a. Provides a common language
- ☐ b. Assists in protocol design
- ☐ c. Changes in one layer do not affect other layers
- ☐ d. Create a competition between vendors
- ☒ e. Allows one organization to control the protocol design



Question 13

Not yet answered

Marked out of
1.00

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. Framing – Ethernet frame
- ☐ d. Access control
- ☐ e. Routing

What is the correct statement about a Collision Domain?

Select one:

- ☐ 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.
- ☐ 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.
- ☐ In a router, all ports are in a single collision domain
- ☐ 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.

Next page

Select the **incorrect** statement.

Select one:

- ☐ A network spanning over a geographical area larger than a LAN, but smaller than a WAN, such as a city, is called a MAN.
- ☐ Switches are used to connect LANs to a WAN.
- ☐ A WAN spans across a large geographical area. It is a geographically-dispersed collection of LANs.
- ☐ Internet is the largest WAN spanning the entire globe.
- ☐ A LAN connects network devices over a relatively small geographical area.



Online Exams

Sri Lanka Institute of Information Technology

Question 27

Not yet answered

Marked out of

10

Flag question

What is the subnet mask of the following IP address?

IP address: - 192.168.105.4

Write your answer in dotted decimal format (e.g. 192.168.10.1)

Answer:

Next page

A Malware program attached to another program to execute a particular unwanted function on a workstation

Lots of rain causing floods and damaging the data center

A Denial of Service Attack (DoS) using ping command

Choose...

Choose...

Choose...

- Choose...
- Physical Security Threat
- Network Security Threat
- Application Security Threat

Next page



Question 24

Not yet answered

Marked out of 0.6

Flag question

Select the most suitable statement.

Select one:

- ☐ Converged networks are LANs.
- ☐ None of the given statements are true.
- ☐ Converged networks carry data, voice, video & images over the same network.
- ☐ Converged networks are private networks.
- ☐ Converged networks carry social networking data.

Next page



Question 4

Not answered

0 out of 1

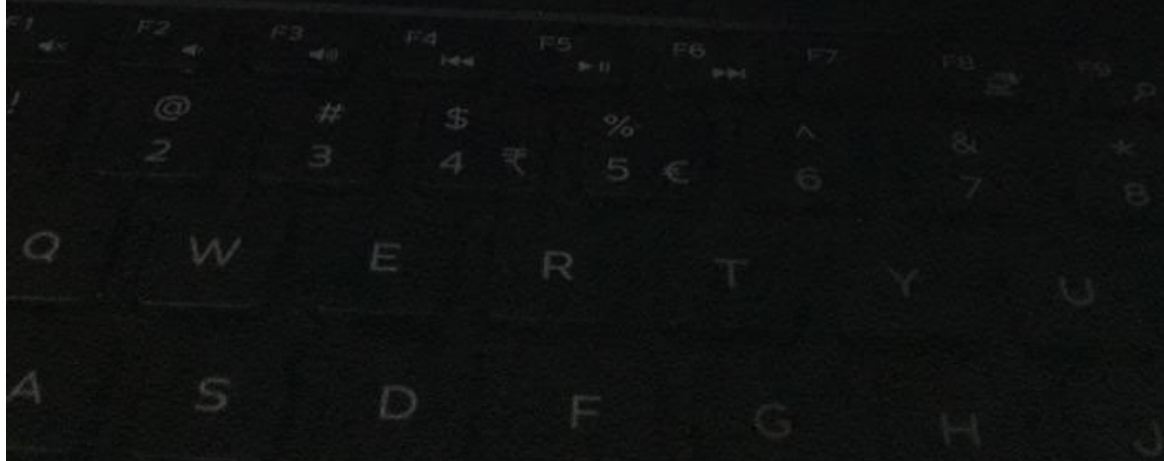
Flag question

In a regular network, which of the following can be a Software?

Select one:

- ☐ Router
- ☐ Hub
- ☐ Modem
- ☐ Switch
- ☒ Firewall

DELL





Question 36

Not yet answered

Marked out of 0.6

Flag question

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 a group of computers in the same domain.
- ☐ 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 the others in the same domain.
- ☐ A collection of two or more computers in which, when one sender sends a message, it is received by one receiver in the same domain.
- ☐ A collection of two or more computers in which, when one sender sends a message, it is received by all the others in a different domains.

Next page



Online Exams

Sri Lanka Institute of Information Technology

Question 23

Not yet answered

Marked out of 5

Flag question

Which of the following statement is true?

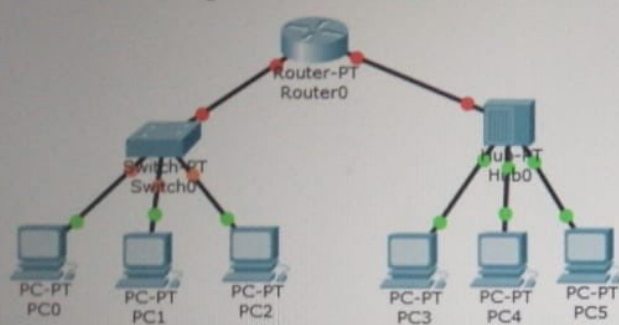
Select one:

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

36

answered
out of 0.6
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 broadcast domains in the network.
- ☐ There are total number of four 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 five collision domains in the network.
- ☐ There are total number of six broadcast domains in the network.



Online Exams

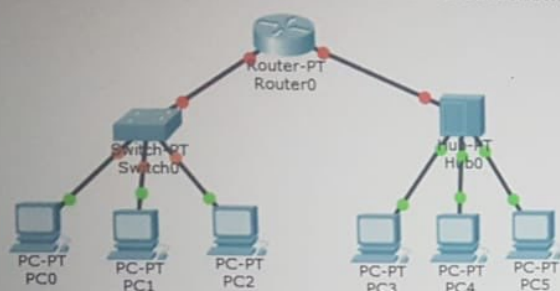
Sri Lanka Institute of Information Technology

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

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



Select one or more:

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

Next page



INFORMATION

Sri Lanka Institute of Information Technology

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

Select one:

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



0
powered
t of 0.6
question

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

Select one or more:

- ☐ The data rate is measured by bits per second of a given link in the network.
- ☐ Reliability indicates the non-dependability of the components that make up the network.
- ☐ Scalability indicates how many nodes are currently on 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.

Question 6
yet answered
marked out of
5
Flag question

What is the respectively BCD value of 879

Select one:

- ☐ a. 1000 0111 1001
- ☐ b. 0110 0010 1000
- ☐ c. 1001 0111 1001
- ☐ d. 0101 1000 0010
- ☐ e. 1000 0110 0010

A television broadcast is an example of _____ transmission

Select one:

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



Online Exams

Sri Lanka Institute of Information Technology

ered
of
stion

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

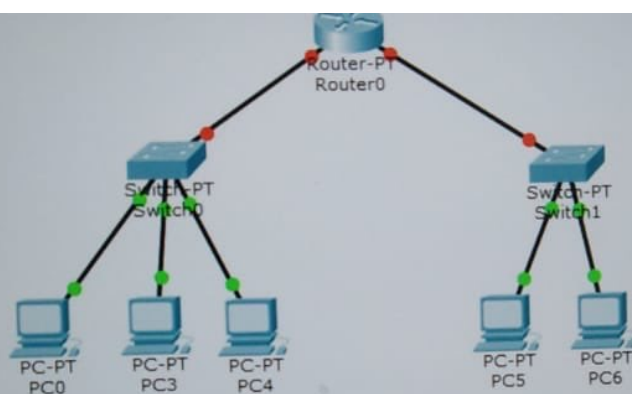
11000000.10101000.00001010.00001011

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

Marked out of 0.6

Flag question



Select one or more:

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



NetExam

Sri Lanka Institute of Information Technology

covered
of 0.6
question

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

Select one:

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

Next page

Which of the following statement is incorrect regarding the 'Internet' ?

Select one:

- ☐ a. Internet is the largest WAN topology
- ☐ b. Internet protocols are managed by IETF
- ☐ c. Internet is a collection of interconnected networks
- ☐ d. Internet is governed by International Standardization Organization (ISO)



Question 22

Not yet answered
Marked out of 0.6
Flag question

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

Select one:

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

Next page