



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

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

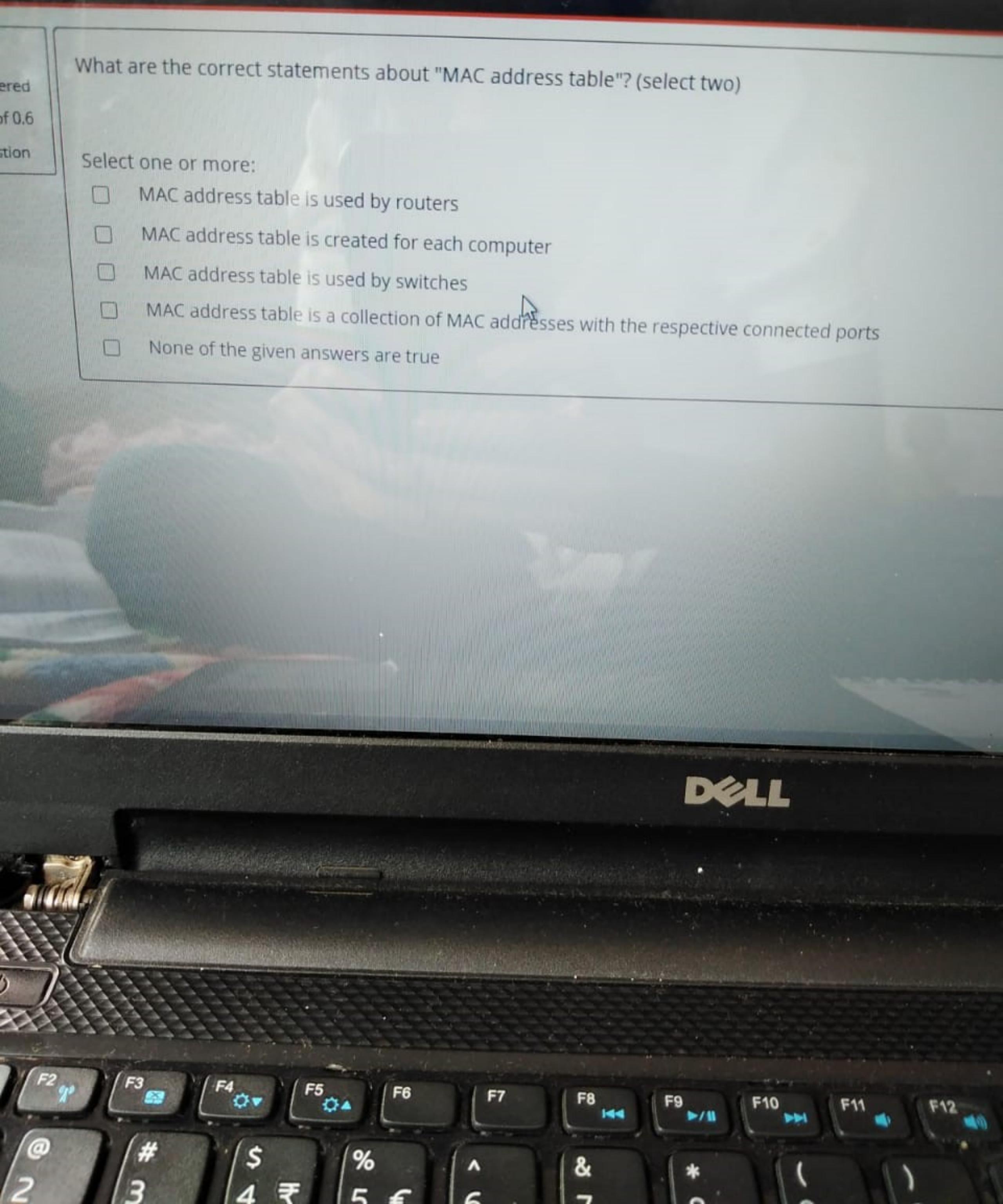
Select one:

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

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

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.

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.
- 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.

X



NetExam

Sri Lanka Institute of Information Technology

What is the service that usually an OS doesn't execute

Select one:

- a. Firmware management
- b. Storage management
- c. Security management
- d. Process management
- e. File system management



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



NetExam

Sri Lanka Institute of Information Technology

Question 24

Not yet answered

Marked out of 0.6

Flag question

- select the answer which explains how SI and DI are used respectively
- Select one:
- a. Used with extended addressing commands, used in some addressing modes
 - b. Used for multiplying and dividing, used as an address register
 - c. Used as an addressing register, used for multiplying and dividing
 - d. Used in some addressing modes, used with extended addressing commands
 - e. Used for arithmetic operation, used with extended addressing commands



7
Answered
out of 0.6
question

Which one is not optical media devices

Select one:

- a. CD R
- b. Blue-ray
- c. CD
- d. Hard disk
- e. DVD

DELL





A logic gate can have

Select one:

- a. Single input and many outputs
- b. Many inputs and many outputs
- c. A single input and a single output
- d. None of the above
- e. Many inputs and a single output

red
0.6
on



33

answered
out of 0.6
question

Von Neumann architecture was found in 1945. During which period Von Neumann architecture was used

Select one:

- a. Between 3rd generation to 4th generation
- b. Between 1st generation to 3rd generation
- c. Between 1st generation to present
- d. Between 2nd generation to 3rd generation
- e. Between 1st generation to 2nd generation

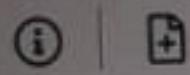
0
Answered
out of 0.6
Question

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 req

X



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



Sri Lanka Institute of Information Technology

General Purpose registers are built with



Binary coded decimal for number 12 is 0001 0010 .Binary coded decimal for number 45 is 0
the binary coded decimal for number 52

Select one:

- a. 0101 0010
- b. 0110 0010
- c. 0101 0011
- d. 0001 0100
- e. 1101 0010

X



NetExam

Sri Lanka Institute of Information Technology

Calculate the number of total number of storage locations available for 8 bits of information

Select one:

- a. 127
- b. 256
- c. 255
- d. 32
- e. 16



n 32

answered
d out of 0.6
g question

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

Select one:

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



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.



2

s
wered
it of 0.6
question

How many minterms in a 4 variable K-map

Select one:

- a. 16
- b. 64
- c. 4
- d. 8
- e. 12



on 6

not answered

Marked out of 0.6

Flag 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 13**

Not yet answered

Marked out of 0.6

A small icon of a flag with a diagonal line through it, indicating the option to flag the question.

Match the given addresses to appropriate network addressing term.

255.0.0.0

Choose... A dropdown menu with a hand cursor icon pointing to the right.

Choose...

Class C Subnet Mask

IPv4 Address

MAC Address

IPv6 Address

Class A Subnet Mask

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

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

172.16.10.9

255.255.255.0

Choose... A dropdown menu with a hand cursor icon pointing to the right.

Inputs and outputs can be defined as the main components of a computer. Select the response only with input devices from the following answers



Select one:

- a. Keyboard, Pen-drive, Scanner, Bar code reader
- b. Keyboard, Webcam, Pen-drive, Scanner
- c. Keyboard, Optical pen, CD, Scanner
- d. Keyboard, Optical pen, Scanner, Bar code reader
- e. Keyboard, CD, Optical pen, Bar code reader



Not the component in the CPU

Select one:

- a. Main memory
- b. Registers
- c. ALU
- d. Control memory
- e. Sequencing logic



Which of the following is not a file extension of a compressed file

Select one:

- a. .zip
- b. .gz
- c. .tar.gz
- d. .pkg
- e. All are compressed file extensions





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



35

swered

it of 0.6

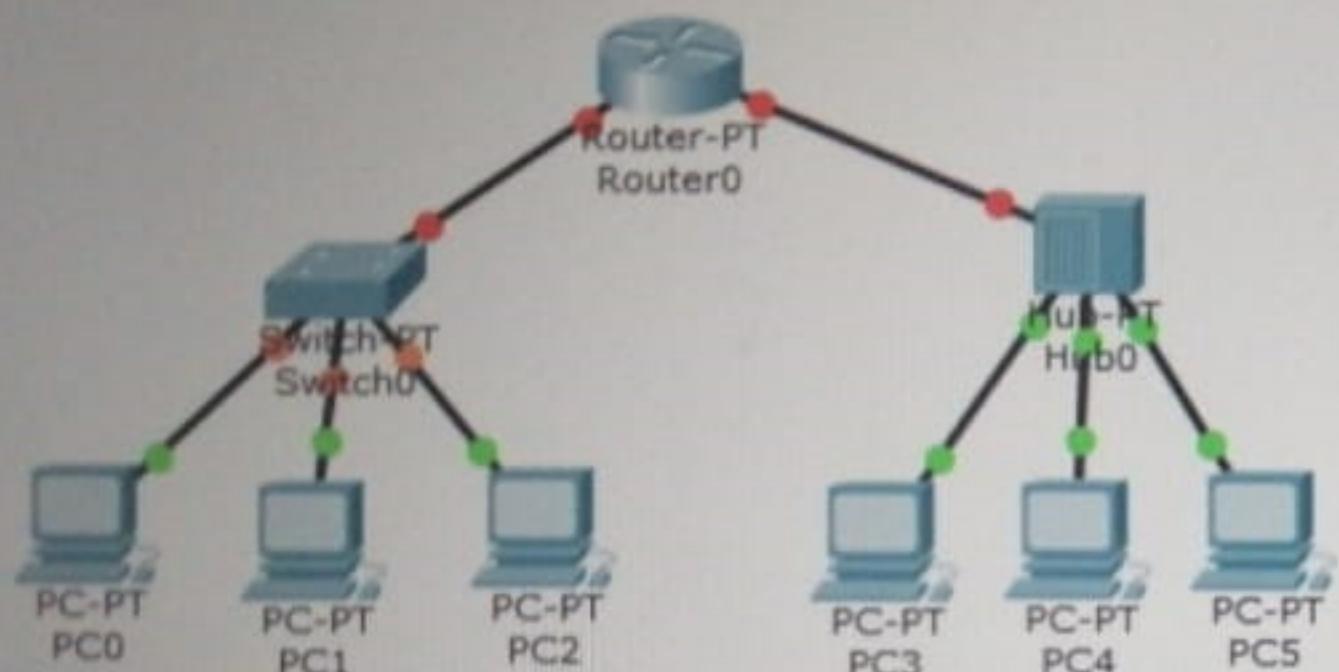
question

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

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.



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

Select one:

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

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



NetExam

Sri Lanka Institute of Information Technology

Question 19

Not yet answered

Marked out of 0.6

Flag question

Select the correct segment from the following

Select one:

- a. SI
- b. ES
- c. AX
- d. BP
- e. DI

Next



Question 26

Not yet answered

Marked out of 0.6

 Flag question

Not the component in the CPU

Select one:

- a. Registers
- b. Main memory
- c. Sequencing logic
- d. Control memory
- e. ALU

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

Question 15

Not yet answered

Marked out of 0.6

Flag question

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

ISO-OSI Layer:

- Data Link Layer: Choose...
- Network Layer: Choose...
- Transport Layer: Choose...

Next page

Quiz navigation

Finish attempt ...

Time left 1:16:49

MULTIPLE CHOICE QUESTIONS 40 X 0.625 MARKS

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40		



The process of converting information, such as text, numbers, photo, or music, into digital data is called digitization I

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.

excitation table

shows required input combination for a given change of state.

What is not an operating system activity under the storage management

Select one:

- a. Backup and reset
- b. Disk scheduling
- c. Storage allocation
- d. Free-space management
- e. None of above



Next page



Question 24

Not yet answered

Marked out of 0.6

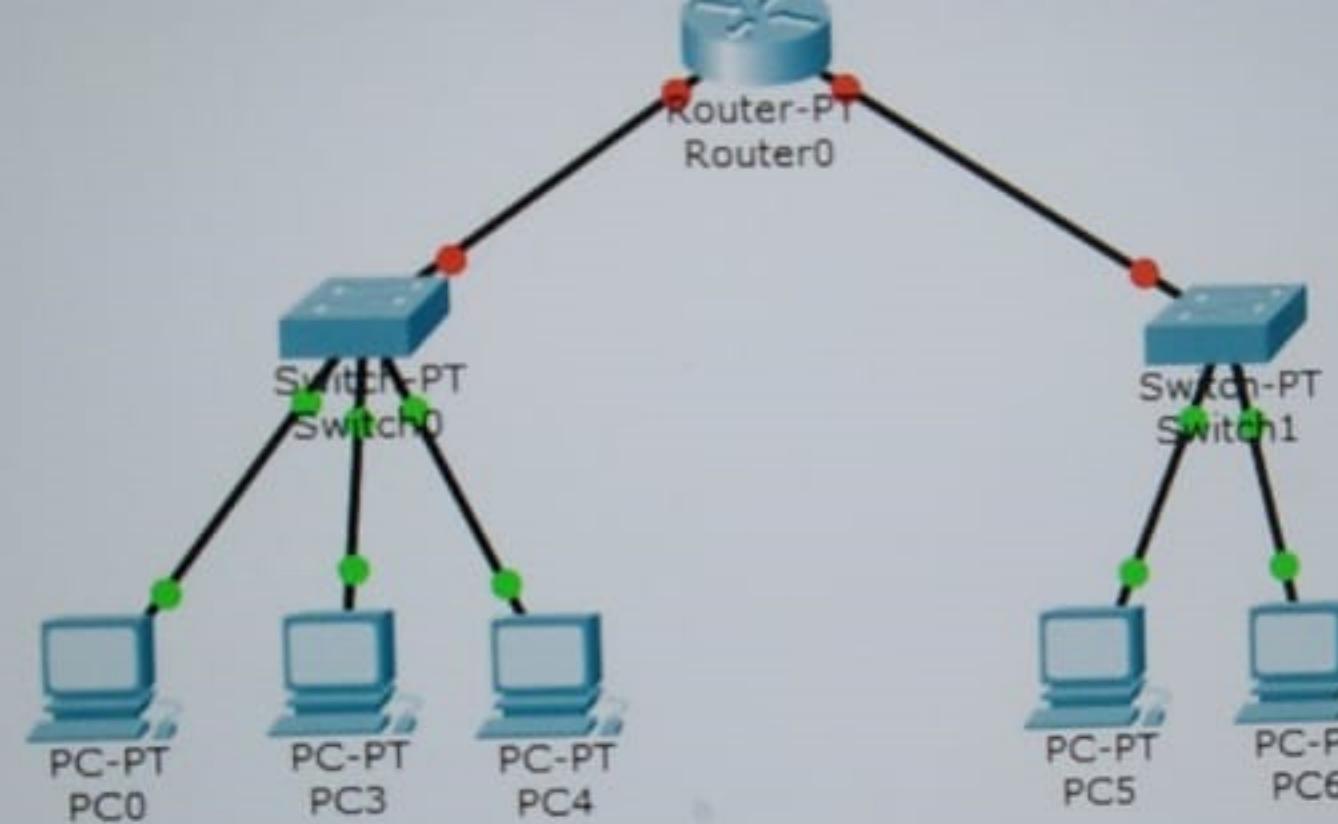
Flag question

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 pa



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.



Question 27

Not yet answered

Marked out of 0.6

 Flag question

Choose the correct storage device that works as a non-volatile memory

Select one:

- a. BIOS chip
- b. S-RAM
- c. Registers
- d. D-RAM
- e. Cache memory



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

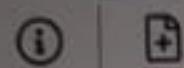


Which of the following is a primary memory

Select one:

- a. Floppy disk
- b. SSD
- c. ROM
- d. HDD
- e. CD

X



NetExam

Sri Lanka Institute of Information Technology

What instructions can only be executable in kernel mode

Select one:

- a. Operating system
- b. Program
- c. Instructions designated as privileged
- d. Firmware
- e. None of the above



9

Answered

out 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. $8 * 1000$ kilobytes
- c. $32 * 1000$ kilobytes
- d. $4 * 1000$ kilobytes
- e. $32 * 10$ kilobytes

Next page



NetExam

Sri Lanka Institute of Information Technology

ion 42

yet answered

marked out of 1.0

Flag question

Program is a where process is an active entity.



DELL



47

yet answered

out of

Flag question

One of your friends has come to you with following K-Map that he developed after carefully going through a Truth Table to represent input-output relationships of a real world problem with the aim of designing a combinational circuit.

		CD			
		0	1	0	0
AB	0	0	1	0	0
	1	0	0	1	0
	0	1	0	0	0
	1	0	0	1	0

- A. Write the minterm numbers that will be in the Boolean equation represented by the K-Map above. (Ex: use m_1 to represent minterm 1)
- B. After carefully studying the problem again, you found out that it is not a problem even minterms 3, 11, and 13 being 0 or 1. By taking your new findings into consideration, simplify above K-map. Write the simplified Boolean equation in Sop form. (Write $A\bar{B}C\bar{D}$ as $AB'CD'$ in your answer. Don't keep spaces between letters)
- C. How many AND gates and OR gates are needed to implement this circuit.
- i) AND:
- ii) OR:

≡ Quiz navigation

Finish attempt ...

Time left 0:46:51

MULTIPLE CHOICE QUESTIONS 40 X 0.625 MARKS

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40

STRUCTURED TYPE QUESTIONS 10 MARKS

41	42	43	44	45	46
----	----	----	----	----	----

ESSAY TYPE QUESTION 1 X 15 MARKS

47

FEEDBACK

48

**Question 36**

Not yet answered

Marked out of 0.6

A small icon of a flag with a diagonal line through it, indicating the option to flag the 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](#)

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

Select one:

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

In the instruction ADD AX, 20H, the answer gets stored in

X



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.

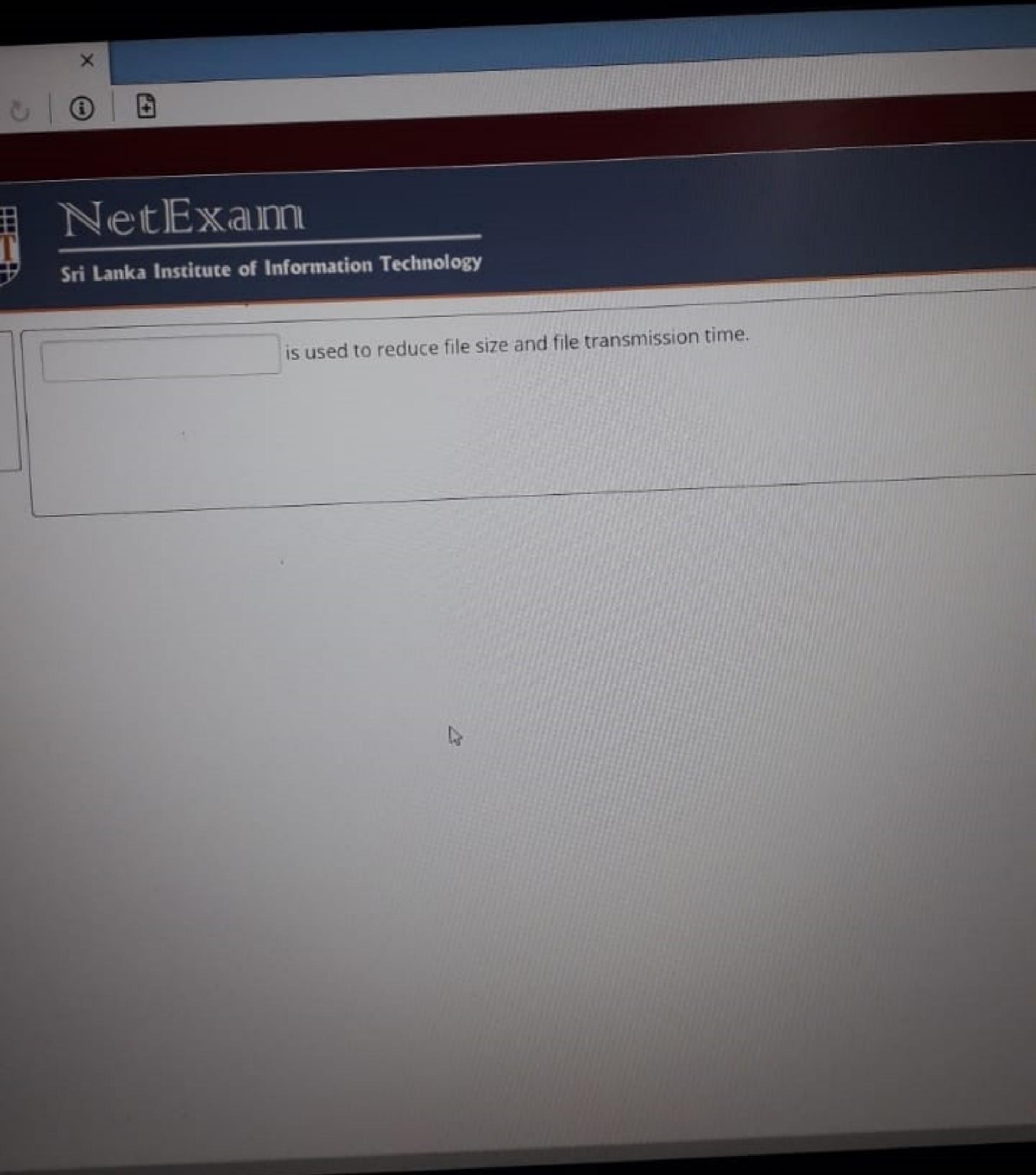
Which of the following statement is incorrect regarding the 'Internet' ?

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)



Ne



Select the correct statement.

Select one:

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

Next page

≡ Quiz nav

Finish attempt ...

Time left 0:44:29

MULTIPLE CHOICE
0.625 MARKS

1 2 3

8 9 10

15 16 17

22 23 24

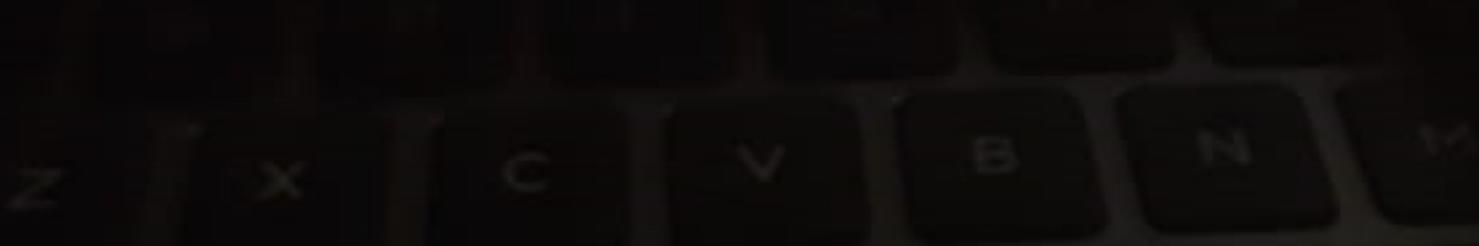
29 30 31

36 37 38 39

What is the size of data bus and address bus in 8086 microprocessor respectively

Select one:

- a. 8 bit/ 16 bit
- b. 16 bit/ 32 bit
- c. 32 bit/ 32 bit
- d. 8 bit/ 64 bit
- e. 16 bit/ 8 bit





What does BIU of the 8086 architecture stands for

Select one:

- a. Bus Interface Unit
- b. Bus Interface Union
- c. Bug Intel Unit
- d. Bus Intel Unit
- e. Bug Interface Unit

F1



F2



F3



F4



F5



F6



Question 39

Not yet answered

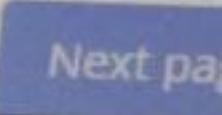
Marked out of 0.6

 Flag question

In what generation were the high level programming languages introduced

Select one:

- a. 5th generation
- b. 3rd generation
- c. 1st generation
- d. 4th generation
- e. 2nd generation

 Next page



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

Transport Layer

Choose...

Network Layer

Choose...

Data Link Layer

Web Address

MAC Address

Port Address

IP Address

Registry Address

F1

F2

F3

F4

F5

F6

X



NetExam

Sri Lanka Institute of Information Technology

Write the number of bits used in an IPv4 address.

Answer:

I

31

Answered
out of 0.6
Question

What instructions can only be executable in kernel mode

Select one:

- a. Program
- b. Firmware
- c. None of the above
- d. Instructions designated as privileged
- e. Operating system



Question 40

Not yet answered

Marked out of 0.6

Flag question

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



Repeater



Hub

Select one:

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

≡ Quiz navigation

Finish attempt ...

Time left 0:38:39

MULTIPLE CHOICE QUESTIONS 4
MARKS

1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30	31	32	33	34
36	37	38	39	40	

STRUCTURED TYPE QUESTIONS 10
MARKS

41	42	43	44	45	46
----	----	----	----	----	----

ESSAY TYPE QUESTION 1 X 15 MARK

What is the subnet mask of the following IP address?

IP address: - 172.16.12.4

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

Answer:



Question 41

Not yet answered

Marked out of 1.0

Flag question

is a combinational circuit that can be used for data routing and parallel to serial conversion.

≡ Quiz

Finish atten

Time left 0:3

MULTIPLE
MARKS

1 2

8 9

15 16

22 23

29 30

36 37

Next page



[redacted] are the building blocks of digital circuits.



Select the statement which is not true.

Select one:

- The internet is a public network.
- 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 defined as a global mesh of interconnected networks.

DELL

X



NetExam

Sri Lanka Institute of Information Technology

For the given IP address find the following.

IP address: - 172.18.10.1

- Network address: . . .
- Subnet mask: . . .
- Broadcast address: 172 . 18 . .
- Last usable IP address: 172 . 18 . .



Which characteristic is not addressed by a network architecture design.



Select one:

- Durability.
- Fault Tolerance.
- Security.
- Scalability.
- Quality of Service.

[Next page](#)

≡ Quiz na

Finish attempt

Time left 0:37:

MULTIPLE CH

0.625 MARKS

1	2
8	9
15	16
22	23
29	30
36	37

NetExam
Sri Lanka Institute of Information Technology

For the given IP address find the following.

IP address: - 172.18.10.1

- Network address: . . .
- Subnet mask: . . .
- Broadcast address: 172 . 18 . .
- Last usable IP address: 172 . 18 . .

John typed 'ipconfig' command while being connected to his home WiFi and obtained the following result. What is the broadcast address of his home network? (Write in dotted decimal format: E.g. 192.168.8.1)

```
Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . . . .
IPv6 Address . . . . . : 2402:4000:2080:76c8:74a5:2827:c1c0:4
IPv6 Address . . . . . : 2402:4000:2182:5b3f:5095:effe:e4bc:5f63
IPv6 Address . . . . . : 2402:4000:2182:5b3f:74a5:2827:c1c0:4
Temporary IPv6 Address . . . . . : 2402:4000:2182:5b3f:a4e4:9e4c:8590:cb0
Link-local IPv6 Address . . . . . : fe80::5095:effe:e4bc:5f63%4
IPv4 Address . . . . . : 192.168.8.106
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : fe80::76a5:28ff:fe27:c1c0%4
                                         192.168.8.1
```

Answer:

34

answered
out of 0.6
g question

NOR gate will give a higher output if the inputs are

Select one:

- a. 0,0
- b. 1,0
- c. None of above
- d. 0,1
- e. 1,1

X



NetExam

Sri Lanka Institute of Information Technology

Allocating and deallocated memory is a service coming under



**Question 35**

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

[Next page](#)

A dark grey rectangular button with a white three-line icon on the left and the text "Quiz navigation" on the right.

Finish attempt ...

Time left 0:34:17

MULTIPLE CHOICE QUESTIONS
0.625 MARKS

1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31	32	33
36	37	38	39	40

One of your friends has come to you with following K-Map that he developed after carefully going through a Truth Table to represent input-output relationships of a real world problem with the aim of designing a combinational circuit.

		CD			
		0	0	0	0
AB		1	0	0	1
		1	0	1	0
		0	0	0	0

A. Write the minterm numbers that will be in the Boolean equation represented by the K-Map above. (Ex: use m_1 to represent minterm 1)

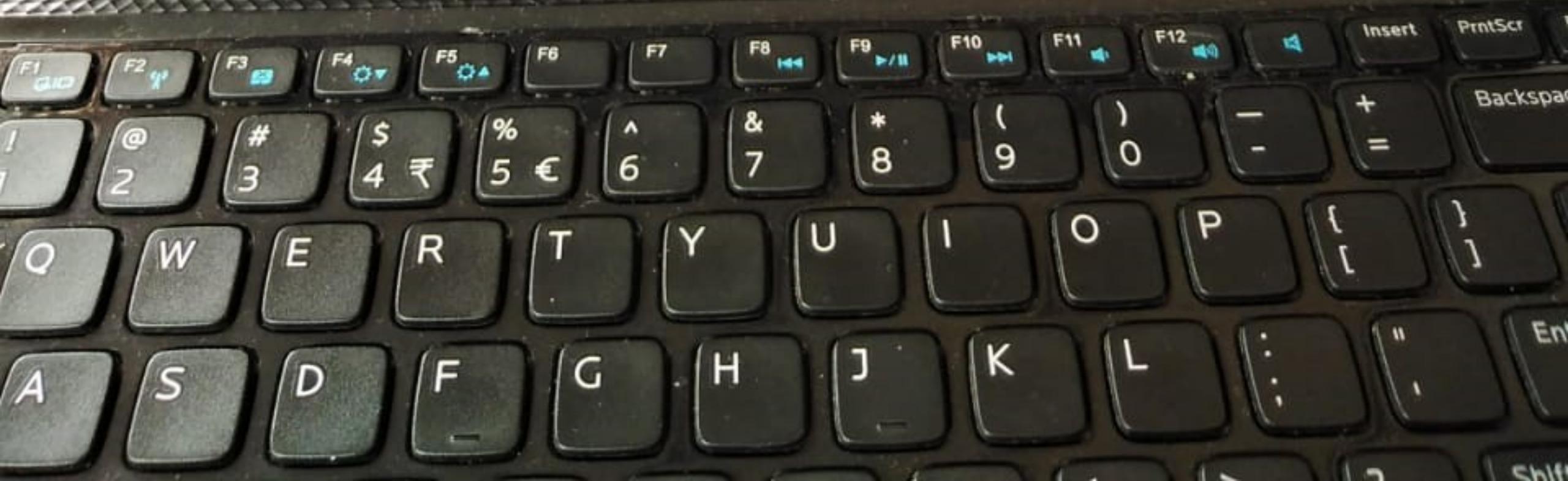
B. After carefully studying the problem again, you found out that it is not a problem even minterms 5, 13, and 14 being 0 or 1. By taking your new findings into consideration, simplify above K-map. Write the simplified Boolean equation in SoP form. (Write $A\bar{B}C\bar{D}$ as $AB'CD'$ in your answer. *Don't keep spaces between letters*)

C. How many AND gates and OR gates are needed to implement this circuit.

i) AND:

ii) OR:

DELL



X



NetExam

Sri Lanka Institute of Information Technology

provides a unique number for every character.



43

Answered
out of 3.0
question

For the given IP address find the following.

IP address: - 172.18.20.1

- Network address: 172 18 0 0
- Subnet mask: 255 255 0 0
- Broadcast address: 172 18 255 255
- 1st usable IP address: 172 18 255 254
- IP Address Class: I (Only type the Letter)



Z X C V B N M

X

| i | +

NetExam

Sri Lanka Institute of Information Technology

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

IPv4 Address: 198.168.10.1

- IPv4 Address in Binary: . . 00001010 . 00000001
- How Many Hosts Can be Connected this Network:



What is the example of first generation computer

Select one:

- a. UNIVAC
- b. DEC 10
- c. STAR 1000
- d. PDP 1
- e. IBM 4341

Which of the following statement is true?

Select one:

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



Next page



eitExam

Sri Lanka Institute of Information Technology

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

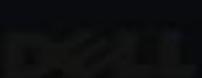
Address: 198.168.10.1

IPv4 Address in Binary: . . .

How Many Hosts Can be Connected this Network:

provides commands to the processor.

is loaded to main memory at the end of Bootstrapping process.



Z X C V B N M

tion 38

yet answered

marked out of 0.6

Flag question

What is not an advantage of a computer network?

Select one:

- Remote Information Access
- Social Engineering
- Resource Sharing
- Interaction among cooperative application programs
- User Communication



Next page

a truth table to represent input-output relationships of a real world problem with the aim of designing a combinational circuit.

		CD			
		0	0	0	0
AB		1	0	0	1
		1	0	1	0
		0	0	0	0

- A. Write the minterm numbers that will be in the Boolean equation represented by the K-Map above. (Ex: use m_1 to represent minterm 1)
- B. After carefully studying the problem again, you found out that it is not a problem even minterms 5, 13, and 14 being 0 or 1. By taking your new findings into consideration, simplify above K-map. Write the simplified Boolean equation in SOP form. (Write $A\bar{B}C\bar{D}$ as $AB'CD'$ in your answer. Don't keep spaces between letters)
- C. How many AND gates and OR gates are needed to implement this circuit.

i) AND:

ii) OR:

39

swered
ut of 0.6
question

What is the service of an operating system related with providing mechanisms for deadlock handling

Select one:

- a. Process management
- b. Protection and security
- c. Storage management
- d. Memory management
- e. File management



Next page

1

2

2

36

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

IPv4 Address: 198.168.10.1

- IPv4 Address in Binary: . . 00001010 . 00000001
- How Many Hosts Can be Connected this Network:





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

IPv4 Address: 174.16.10.134

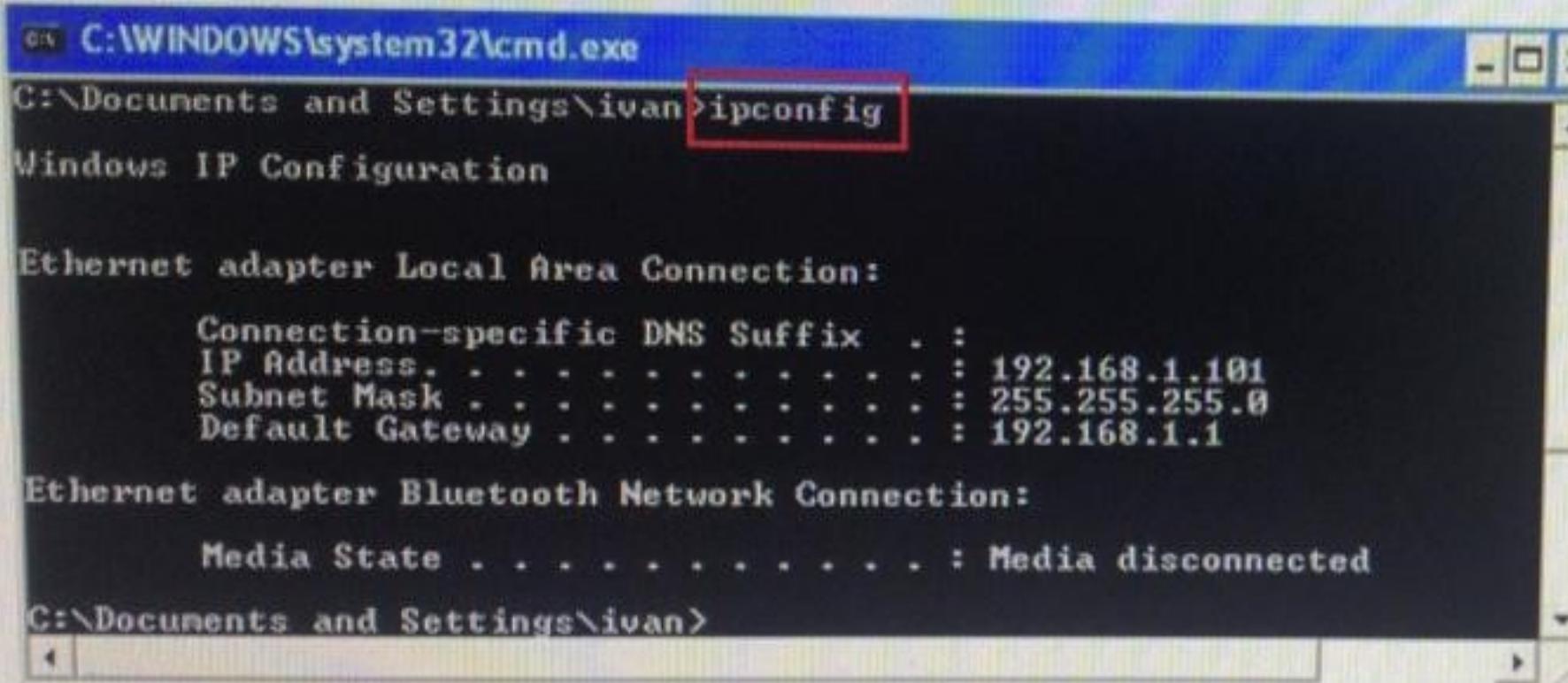
- IPv4 Address in Binary: . 00010000 . 00001010 .
- IP Address Class:



46

nswered
out of 2.0
question

Ivan typed 'ipconfig' command while being connected to his home WiFi and obtained the following result. What is the broadcast address of his home network? (Write in dotted decimal format: E.g. 192.168.8.1)



The screenshot shows a Windows Command Prompt window titled 'cmd C:\WINDOWS\system32\cmd.exe'. The command 'ipconfig' was typed and its output is displayed. The output shows two network adapters: 'Ethernet adapter Local Area Connection' and 'Ethernet adapter Bluetooth Network Connection'. For the Local Area Connection, the IP Address is 192.168.1.101, Subnet Mask is 255.255.255.0, and Default Gateway is 192.168.1.1. The Bluetooth connection is shown as Media disconnected. The command prompt's title bar and status bar are also visible.

```
C:\WINDOWS\system32\cmd.exe
C:\Documents and Settings\ivan>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

  Connection-specific DNS Suffix . . . .
  IP Address . . . . . : 192.168.1.101
  Subnet Mask . . . . . : 255.255.255.0
  Default Gateway . . . . . : 192.168.1.1

Ethernet adapter Bluetooth Network Connection:

  Media State . . . . . : Media disconnected

C:\Documents and Settings\ivan>
```

Answer:



Question 40

Not yet answered

Marked out of 0.6

Flag question

How many registers are found in the EU of the 8086 architecture

Select one:

- a. 4
- b. 16
- c. 3
- d. 8
- e. 6



46

answered
out of 1.0
question

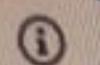
[Redacted] is the digital circuitry within the processor that coordinates the sequence of data movements into, out of, and between the processor's sub-units.

[Next page](#)

provides a unique number for every character.

Nex

X



NetExam

Sri Lanka Institute of Information Technology

One of your friends has come to you with following K-Map that he developed after carefully going through a Truth Table to represent input-output relationships of a real world problem with the aim of designing a combinational circuit.

		CD			
		0	1	0	1
AB	0	0	0	0	0
	1	1	0	0	0
	1	0	0	0	0
	0	0	0	0	0

A. Write the minterm numbers that will be in the Boolean equation represented by the K-Map above. (Ex: use m_1 to represent minterm 1)

B. After carefully studying the problem again, you found out that it is not a problem even minterms 4, 5, and 9 being 0 or 1. By taking your new findings into consideration, simplify above K-map. Write the simplified Boolean equation in SoP form. (Write $ABCD$ as $AB'CD'$ in your answer. Don't keep spaces between letters)

C. How many AND gates and OR gates are needed to implement this circuit.

i) AND:

ii) OR:

Binary coded decimal for number 12 is 0001 0010 .Binary coded decimal for number 45 is 0100 0101. What is the binary coded decimal for number 52

Select one:

- a. 0101 0010
- b. 0110 0010
- c. 0101 0011
- d. 0001 0100
- e. 1101 0010