True/False:

- When a client browser requests a web page and the page is sent back, a direct physical connection between client and server is formed while the information is being sent.
- It is extremely expensive and difficult for private individuals to post information to the worldwide web.
- A bit is the smallest unit of information that a computer can work with.
- The vast majority of the information available on the web is accurate and true because it has been reviewed and approved by experts.
- It is necessary to have the Internet Protocol for a device to be connected to the Internet.
- DSL uses alternative frequencies of a standard phone line.
- Upstream and downstream refer to the direction of flow of information to and from the internet. In general, upstream speeds are faster than downstream.
- The two main types of IP address are temporary and dynamic.
- IPv4 address is composed of 4 bytes.
- The internet is based on the concept of circuit switching, in contrast to the tradition telephone network, which is based on the concept of packet switching.
- LANs provide global connections for thousands of computers.
- Twisted-pair can achieve very high bandwidth data communication.
- Wireless transmission media include cellular telephones, microwave transmission, and fiber optics.
- Computer networks are used only by large telephone and telecommunications companies.
- File servers are high-powered computers that make applications available to more than one user at a time.
- The terminal or PC in a LAN must have a piece of hardware called a network interface card in order to be connected.
- The Internet represents a communications network limited to the United States.
- Since the Internet is a cross-platform network, recipients of a message will always be able to read any attachment regardless whether or not they have the program that originally created the attachment.
- The most popular browsers are graphical.
- Computers are electronic devices that, under a program's direction and control perform four basic operations: Input, Processing, Output, and Storage.
- The Internet is a LAN linking millions of computers in WANs worldwide.
- The Internet is considered a very dynamic network.
Multiple choices:

To create Web pages, markup language called ________ is used.
A. HTTP
B. HTML
C. STMP
D. JPEG

Which of the following is not a service available through the internet?
A. internet telephony
B. FTP
C. Chat
D. Disk defragmentation

An IP address is a unique number that serves as an address for every computer directly connected to the internet. What does IP stand for?
A. Internet Pathway
B. Information protocol
C. Internet protocol
D. Issued pathname

The first graphical web browser was introduced in
A. 1972
B. 1983
C. 1994
D. 2004

A packet is the smallest unit of information
A. that a computer can work with.
B. that is sent out over the internet.
C. that is recorded on a single sector of the hard drive.
D. that travels from the CPU to the memory via the bus.

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What is http?
A. the language used to code web pages
B. the file transfer protocol
C. the protocol that is used for web pages, that transfers hypertext
D. the web browser
What is html?
A. the language used to code webpages
B. hypertext transfer protocol
C. the url of the website
D. the address of a web site

Typically, which one of the following is not a client?
A. Mozilla
B. IE
C. Outlook
D. Word

ISP stands for
A. Internet Server Protocol
B. Internet Service Provider
C. Internal Serial Port
D. Internet SLIP Protocol

What is the name given to the smallest pieces of information that circulated the internet, each containing all routing information?
A. Bits
B. Packets
C. Hypertext
D. File transfer units

Why are domain name servers used?
A. To assign domain to all users when the connect to the Internet
B. To translate computer and domain names into numerical IP addresses
C. To trace the path of packets of information in the web
D. To connect local area networks and wide area networks

What best describes the function of Internet routers computers (not the "routers" used for connecting to DSL or cable)?
A. Routers break information into packets and "wrap" them with TCP/IP
B. Routers establish a continuous circuit between end points of a phone circuit
C. Routers are main internet highways that connect locations several miles apart
D. Routers receive packets and figure out the best way to send them to their destination

In what situation would it be necessary to use a static IP?
A. To set up and serve a website
B. To use DSL or cable internet at home
C. To connect to UCD through the modem pool
D. To avoid using up the limited IP's available

How many bits (not bytes) are in an IPv4 address?
A.  4
B.  8
C.  32
D.  4,294,967,296

The MAC address is
A.  The IP address of Macintosh computers
B.  The multiple access control of a server
C.  The media access control address that uniquely identifies a network card
D.  The URL of the MAC server
Answers:

- The POP or IMAP protocols are used to send email, and the SMTP is used to receive email.  F
- When a client browser requests a web page and the page is sent back, a direct physical connection between client and server is formed while the information is being sent.  F
- When an email message is sent, it is broken into several small pieces that can take very different routes to reach the destination.  T
- It is extremely expensive and difficult for private individuals to post information to the worldwide web.  F
- A bit is the smallest unit of information that a computer can work with.  T.
- The vast majority of the information available on the web is accurate and true because it has been reviewed and approved by experts.  F
- It is necessary to have the Internet Protocol for a device to be connected to the Internet.  T
- DSL uses alternative frequencies of a standard phone line.  T
- Upstream and downstream refer to the direction of flow of information to and from the internet. In general, upstream speeds are faster than downstream.  F
- The two main types of IP address are temporary and dynamic.  F
- IPv4 address is composed of 4 bytes.  T
- The internet is based on the concept of circuit switching, in contrast to the tradition telephone network, which is based on the concept of packet switching.  F
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- Twisted-pair can achieve very high bandwidth data communication.  F
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Dynamic Host Configuration Protocol is
A. the protocol that assembles packets of incoming messages.
B. the way in which temporary IP addresses are assigned to computers on the internet.
C. the method developed by Hollerith for the US Census.
D. a client computer to access e-mail on the web.
What is http?
A. the language used to code web pages
B. the file transfer protocol
C. the protocol that is used for web pages, that transfers hypertext
D. the web browser

What is html?
A. the language used to code webpages
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B. The multiple access control of a server  
C. **The media access control address that uniquely identifies a network card**  
D. The URL of the MAC server

Which electronic mail are you more likely to use if you need to access your messages from more than one computer and location?
A. **IMAP**  
B. POP  
C. SMTP  
D. POP3