Case Study

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Case Study: Web Servers, Networking, and Protocols

Part A: Web Servers

1. Web servers are:

    (a) IP addresses

    (b) **Computer systems**

    (c) Web pages of a site

    (d) A medium to carry data from one computer to another

2. What does the web server need to send back information to the user?

    (a) Home address

    (b) Domain name

    (c) IP address

    (d) **Both b and c**

3. What is the full form of HTTP?

    (a) **Hypertext Transfer Protocol**

    (b) Hypertext Transfer Procedure

    (c) Hyperlink Transfer Protocol

    (d) Hyperlink Transfer Procedure

4. The _____ translates internet domain and host names to IP address

    (a) **Domain name system**

    (b) Routing information protocol

    (c) Google

    (d) Network time protocol

5. Computer that requests the resources or data from another computer is called as _____ computer

    (a) Server

    (b) **Client**

    (c) None of the above

    (d) a and b

6. DNS stands for:

    (a) Domain Name Security

    (b) Domain Number System

    (c) Document Name System

    (d) **Domain Name System**

7. What is the format of an IP address?

   (a) 34 bit
   (b) **32 bit**
   (c) 16 bit
   (d) 64 bit

Part B: The Internet's History

1. What does NSFnet stand for?

   (a) National Senior Foundation Network
   (b) National Science Framework Network
   (c) **National Science Foundation Network**
   (d) National Science Formation Network

2. What does ARPANET stand for?

   (a) Advanced Research Premium Agency NETwork
   (b) **Advanced Research Projects Agency NETwork**
   (c) Advanced Review Projects Agency NETwork
   (d) Advanced Research Protection Agency NETwork

3. What is the internet?

   (a) A single network
   (b) **A vast collection of different networks**
   (c) Interconnection of local area networks
   (d) Interconnection of wide area networks

4. To join the internet, the computer has to be connected to a _____

   (a) Internet Architecture Board
   (b) Internet Society
   (c) **Internet Service Provider**
   (d) Different computer

5. Internet access by transmitting digital data over the wires of a local telephone network is provided by:

   (a) Leased line
   (b) **Digital Subscriber Line**
   (c) Digital Signal Line
   (d) Digital Leased Line

6. A piece of icon or image on a web page associated with another webpage is called _____

   (a) URL
   (b) **Hyperlink**
   (c) Plugin
   (d) Extension

Part C TCP/IP and Internet Protocols

1. Which of the following protocols is used in the internet?

   (a) HTTP

   (b) DHCP

   (c) DNS

   (d) **All of the above**

2. Which one of the following is not an application layer protocol used in the internet?

   (a) Remote Procedure Call

   (b) Internet Relay Chat

   (c) **Resource Reservation Protocol**

   (d) Local Procedure Call

3. Which protocol assigns IP addresses to the client connected to the internet?

   (a) **DHCP**

   (b) IP

   (c) RPC

   (d) RSVP

4. Several protocols for upper layers in Bluetooth use:

   (a) UDP

   (b) HSP

   (c) ITC

   (d) **L2CAP**

5. Internet protocols are a set of rules to govern:

   (a) **Communication between computers on a network**

   (b) Standard

   (c) Metropolitan communication

   (d) Bandwidth

6. Checksum is used on the internet by several protocols although not at the _____

   (a) Session layer

   (b) Transport layer

   (c) Network layer

   (d) **Data link layer**

7. Network layer at the source is responsible for creating a packet from data coming from another _____

   (a) Station

   (b) Link

   (c) Node

   (d) **Protocol**