Compter Networks : True-False questions

1. UDP guarantees datagram delivery :

a) True

**b) False**

1. The socket type used by TCP is SOCK\_STREAM

**a) True**

b) False

1. With UDP, one party can overflow the other => lost packets

**a) True**

b) False

1. The connect system call is normally called by the client process in order to connect to a server process.

**a) True**

b) False

1. The listen system call indicates to the protocol that the client process is ready to accept new incoming connections on the socket

a) True

**b) False**

1. At the level of a TCP client, the bind system call is mandatory

a) True

**b) False**

1. The high order bits of an IP Address represent the host part.

a) True

**b) False**

1. All the hosts from the same network can physically reach each other without an intervening router.

**a) True**

b) False

1. A network address can be determined based on a IP Address from the network and the netmask

**a) True**

b) False

1. Always, in a class of addresses, the first and last IP addresses are reserved.

**a) True**

b) False

1. For connecting a host with a private address to the Internet, it has to be translated to a public address, process named ARP.

a) True

**b) False**

1. 172.16.0.0/12 refers to a private address space.

**a) True**

b) False

1. A DNS server is responsible with translating numerical IP addresses to domain names.

a) True

**b) False**

1. The network address can be obtained from an IP address and the netmask using the logical operation “OR”

a) True

**b) False**

1. When NAT is involved, the local network uses just one IP address as far as outside world is concerned

**a) True**

b) False

1. The number of IP addreses allocated for each subnet block has to be a power of 4.

a) True

**b) False**

1. 209.220.186.8/255.255.255.248 is a invalid IP/Netmask combination

a) True

**b) False**

1. The default gateway serves as an access point or IP router that a networked computer uses to send information to a computer in the same network or the Internet.

a) True

**b) False**

19. A 255.255.255.240 netmask is capable of supporting 16 hosts.

**a) True**

b) False

1. A computer uses HTTP to look up domain names and get the associated IP address.

a) True

**b) False**

1. There is no routing based on MAC addresses

**a) True**

b) False

1. A proxy server acts as an intermediary for requests from clients seeking resources from other servers

**a) True**

b) False

1. The combination DNS server = Default Gateway is not possible

a) True

**b) False**