1. The DNS server set on a computer from Romania:

a. must be located only in Romania

**b. can be located in China**

c. can only translate IP addresses used in Romania

**d. can respond from computers that are not in Romania**

2. The listen system call is specific to:

a. client

**b. server**

c. both client and server

d. none of the above

3. In the TCP/IP model the TCP and UDP protocols belong to the:

a. Physical + data link layer

b. Network layer

**c. Transport layer**

d. Application layer

4. Which of the following are properties of a class of addresses:

**a. The size of the class must be a multiple of 2**

b. The size of the class must be a multiple of 16

c. The last byte in the last address of a class must always be 255

**d. The class must start at a multiple of the class size**

5. Which of the following protocols belong to Application level

**a. DNS**

b. ICMP

**c. SMTP**

d. ARP

6. The following networks 192.168.6.64/26 and 192.168.6.128/26:

a. can be aggregated into a network of size 128

**b. cannot be aggregated into a network of size 128**

**c. are private networks**

d. are public networks

7. The header of the IP datagram contains:

**a. The source IP address**

b. The source port

**c. The destination IP address**

d. The destination port

8. A class of size 256 can be decomposed in:

**a. 2 subclasses**

**b. 3 subclasses**

**c. 4 subclasses**

**d. 5 subclasses**

9. How many networks with netmask 255.240.0.0 can be formed from the private addresses:

**a. 17**

b. 16

c. 1

d. 15

10. The network mask can be computed from:

a. IP address and network address

b. IP address and broadcast address

c. two IP addresses

**d. the network address and the broadcast address**