**Networking**  
  
1. Which of the following below is not a network protocol?  
  
a. TCP  
b. UDP  
c. DCHP  
d. HDMI  
е. NetBIOS  
  
  
2. DNS Server is used to:   
  
a. translate domain names to IP addresses needed for the purpose of locating computer devices worldwide  
b. assign automatically IP addresses to client computers and other TCP/IP devices  
c. send information through a secured channel over the Internet  
d. compress files and store them in the cloud

3. How many layers are there in the OSI model?  
  
a. 3  
b. 5  
c. 7  
d. 10  
e. 12  
  
  
4. From the below list which one is the Wi-Fi connection standard?  
  
a. 15.03  
b. 802.11  
c. 14.1g  
d. 802.3  
  
5. What is the name of a computer's network adapter?  
  
a. LAN adapter  
b. monitor  
c. transistor  
d. capacitor  
e. router  
  
6. Which of the following is not a network topology:  
  
a. ring  
b. mesh  
c. star  
d. root  
e. tree  
  
7. What does OSI stands for in computer networks?  
  
a. Open Security Infrastructure  
b. Open Systems Interconnection  
c. One Single Interface  
d. Optimal System Integration

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8. What area does a Local Area Network cover?  
9. What is the function of the subnet mask?  
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**Data transmission and numeral systems**  
  
1. Which numeral system are computers using for internal calculations?

a. decimal  
b. octal  
c. ternary  
d. binary  
e. pentadecimal  
  
2. Convert the binary number 1011001 into decimal number. Choose the correct result:  
  
a. 41  
b. 89  
c. 23  
d. 54  
e. 31

3. What are the last six symbols of the hexadecimal numeral system base:  
  
a. 10, 11, 12, 13, 14, 15  
b. A, B, C, D, E, F  
c. @, #, %, \*, ! , ~  
d. M, N, O, P, Q, R  
e. 11, 12, 13, 14, 15, 16  
  
  
4. Which of the below is not a data transmission medium?  
  
a. fiber optics cable  
b. Ethernet cable  
c. wireless signal  
d. mouse  
e. telephone wire  
  
  
5. Which of the following is not a data transmission method:  
  
a. asynchronous  
b. synchronous   
c. serial   
d. rendering  
e. parallel