

## Networking

1. Which of the following below is not a network protocol?

- a. TCP
- b. UDP
- c. DHCP
- d. HDMI
- e. 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

-----  
8. What area does a Local Area Network cover?

9. What is the function of the subnet mask?  
-----

## **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