✓ **Congratulations! You passed!**

| Grade received **100%** | Latest Submission Grade **100%** | To pass **80% or higher** | [Go to next item] |

1. IT networking involves which of these? Choose all that apply.

1 / 1 point

☐ Joining professional networks

☑ Designing networks

> ✓ **Correct**

☑ Building networks

> ✓ **Correct**

☑ Managing networks

> ✓ **Correct**

2. You are having trouble connecting to the Internet, so you call your Service Provider for help. They need to know the permanent unique identifier address of your specific device so they can help troubleshoot it. What address are they asking for?

1 / 1 point

○ ISP address

◉ MAC address

○ IP address

○ URL address

> ✓ **Correct**

3. What does a router do in Networking? Choose all that apply.

1 / 1 point

☐ A router can only send data to a computer on the same network.

☑ A router connects devices together and helps direct network traffic.

> ✓ **Correct**

☐ A router sends ones and zeros through a beam of light.

☑ A router utilizes network protocols to help determine where to send data packets.

> ✓ **Correct**

4. Which protocol handles delivery of information from one network to another?

1 / 1 point

○ HTTP

○ FTP

○ IP

◉ TCP

> ✓ **Correct**

5. Which one of these translates human readable words to IP addresses for the computer?

1 / 1 point

○ ICANN

○ URL

○ TCP/IP

◉ DNS

> ✓ **Correct**

6. Which group manages the registration of domain names?

1 / 1 point

○ Web Registrar

○ DNS

◉ ICANN

○ ISP

> ✓ **Correct**

7. What was the biggest problem with the earliest version of the Internet in the late 1960s?

1 / 1 point

◉ Networks couldn't talk to each other.

○ There was no way to remotely access any computer.

○ Computers were too big and bulky for accessing the Internet.

○ The TCP/IP protocol could only be used in universities, governments, and businesses.

8. Which of these can resolve IPv4 address shortages? Choose all that apply.

1 / 1 point

☑ Network Address Translation

⊘ **Correct**

☑ Using IPv6 addresses

⊘ **Correct**

☐ Autonomous Systems

☐ Border Gateway Protocol

9. Which problem does IPv6 (Internet Protocol version 6) help to solve?

1 / 1 point

◉ There are less than 4.3 billion IPv4 addresses, which has already been exceeded with existing websites.

○ IPv5 is an outdated protocol version with insufficient security safeguards.

○ Internet Protocol versions prior to version 6 haven't achieved widespread use.

○ Companies waste hundreds of public IP addresses. With IPv6, they can use just one IP address.

⊘ **Correct**

10. Which concept deals with connecting devices like smart refrigerators and smart thermostats to the internet?

1 / 1 point

○ IPv6

○ NAT

◉ IoT

○ HTTP

⊘ **Correct**

☑ Network Address Translation

⊘ **Correct**