INTERNET ANSWER KEY

1. What is a "client" in the context of the internet?

- **Answer: B) A device that requests services or resources from a server**
- **Explanation:**
  In the context of the internet, a client is typically a device or application that requests resources (such as web pages or files) from a server.

2. What role does a "server" play in an internet-based communication system?

- **Answer: B) It stores and provides resources or services to clients**
- **Explanation:**
  A server is responsible for hosting services, resources, or data, and providing them to clients upon request.

3. Which of the following is a common protocol used for transferring web pages over the Internet?

- **Answer: A) HTTP**
- **Explanation:**
  HTTP (HyperText Transfer Protocol) is the protocol used to transfer web pages over the internet.

4. What does the "HTTP" protocol stand for?

- **Answer: A) HyperText Transfer Protocol**
- **Explanation:**
  HTTP stands for HyperText Transfer Protocol, which is the foundation for data communication on the World Wide Web.

5. Which of the following is true about a DSL modem?

- **Answer: B) It converts digital data into an analog signal for transmission over phone lines**
- **Explanation:**
  A DSL (Digital Subscriber Line) modem converts digital data from a computer into an analog signal for transmission over existing telephone lines.

6. Which component is responsible for managing traffic between a client and a server on the internet?

- **Answer: A) Router**
- **Explanation:**
  A router manages traffic between different networks, including clients and servers, directing data to its correct destination.

7. What does ICS (Internet Connection Sharing) allow a device to do?

- **Answer: A) Share internet access from one device with other devices on a local network**
- **Explanation:**
  ICS (Internet Connection Sharing) enables one device to share its internet connection with other devices on a local network.

8. Which of the following devices would be most commonly used to share an internet connection within a local network?

- **Answer: C) ICS-enabled router**
- **Explanation:**
  An ICS-enabled router can share an internet

connection from one device to multiple devices in a local network.

9. What is the primary function of a firewall in a network?

- **Answer: C) To protect a network by filtering and blocking unauthorized access**
- **Explanation:**
  A firewall monitors and controls incoming and outgoing network traffic, blocking unauthorized access to or from a network.

10. Which of the following best describes a protocol in terms of internet communication?

- **Answer: B) A set of rules that governs how data is transmitted over a network**
- **Explanation:**
  A protocol is a set of rules that define how data is transmitted and received across networks.

11. In a client-server model, who initiates the request for data?

- **Answer: C) The client**
- **Explanation:**
  In the client-server model, the client is the entity that initiates requests for data or services, while the server responds to those requests.

12. Which protocol is commonly used for secure web communication over the internet?

- **Answer: B) HTTPS**
- **Explanation:**
  HTTPS (HyperText Transfer Protocol Secure) is a secure version of HTTP that uses encryption to protect data transmitted between the client and server.

13. Which of the following is a characteristic of a DSL modem?

- **Answer: B) It allows internet access over a phone line without interfering with voice calls**
- **Explanation:**
  DSL modems allow for simultaneous voice and

internet service over the same telephone line, without interfering with voice calls.

14. What is one of the primary purposes of Internet Connection Sharing (ICS)?

- **Answer: B) To allow multiple devices on a local network to share a single internet connection**
- **Explanation:**
  ICS allows multiple devices on a local network to access the internet via a single shared connection.

15. Which of the following is an example of a server in the context of the internet?

- **Answer: B) A computer that hosts a website or provides services to clients**
- **Explanation:**
  A server hosts services or resources, such as websites, and provides them to clients upon request.

16. How does a firewall enhance network security?

- **Answer: C) By preventing unauthorized access to or from a private network**
- **Explanation:**

A firewall acts as a barrier, preventing unauthorized or malicious access to or from a private network.

17. What type of internet connection typically uses a DSL modem?

- **Answer: C) Broadband connection via telephone lines**
- **Explanation:**

DSL modems are typically used for broadband internet connections that run over existing telephone lines.

18. Which of the following is true about how the client-server model works?

- **Answer: B) The server processes and delivers requests made by clients**
- **Explanation:**

In the client-server model, the server is responsible

for processing and delivering the resources or data that the client requests.

19. What type of traffic does a firewall typically monitor?

- **Answer: C) Both incoming and outgoing network traffic**
- **Explanation:**
  Firewalls monitor both incoming and outgoing traffic to enforce security policies and prevent unauthorized access.

20. Which of the following protocols is used for file transfers between systems on a network?

- **Answer: B) FTP**
- **Explanation:**
  FTP (File Transfer Protocol) is used for transferring files between systems over a network.