

Instructions

Match each term in Column A with its correct definition in Column B by writing the letter of the definition next to the corresponding term number (e.g., 1. F, 2. P).

Column A: Terms

1. Algorithm
2. Boolean logic
3. CPU
4. Database
5. Encryption
6. Firewall
7. GUI
8. HTML
9. IP address
10. JavaScript
11. Kernel
12. LAN
13. Malware
14. Network topology
15. Operating system
16. Protocol
17. Query
18. RAM
19. SQL
20. Virtual machine

Column B: Definitions

- A) A security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules
- B) A programming language commonly used to create interactive effects within web browsers
- C) Software designed to damage, disrupt, or gain unauthorized access to a computer system
- D) An organized collection of structured information or data, typically stored electronically
- E) A unique numerical label assigned to each device connected to a computer network
- F) A step-by-step procedure for solving a problem or accomplishing a task
- G) The central core of a computer's operating system, managing system resources
- H) The core component of a computer that processes instructions and runs programs

- I) A markup language used to create web pages and applications
- J) The process of converting information into a code to prevent unauthorized access
- K) A digital environment that simulates a computer system, allowing multiple operating systems to run on one physical machine
- L) The physical and logical arrangement of devices on a network
- M) A user interface that allows users to interact with electronic devices through graphical icons and indicators
- N) The temporary memory that allows a computer to store data it's actively using
- O) A set of rules governing the exchange or transmission of data between devices
- P) A mathematical system for representing logical operations using two values, typically true/false or 1/0
- Q) A structured programming language used to communicate with databases
- R) A request for specific information from a database
- S) Software that manages computer hardware and software resources and provides services for computer programs
- T) A computer network limited to a small area such as a home, office, or building

Student Answers

Write your answers below in the format: 1. ____, 2. ____, etc.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
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12. _____
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14. _____

15. _____
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20. _____