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COMPUTER-SCIENCE Exam Paper

Subjective Questions

1. Explain the concept of algorithms and their importance in problem-solving.

Answer:

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2. What is the difference between procedural and object-oriented programming?

Answer:

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3. Describe the working of a computer network and its components.

Answer:

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4. What is the concept of recursion and how does it differ from iteration?

Answer:

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5. Explain the different types of data structures and their applications.

Answer:

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6. Discuss the importance of databases and explain the difference between SQL and NoSQL databases.

Answer:

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7. What is the difference between a compiler and an interpreter?

Answer:

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8. Explain the working of an operating system and its role in managing computer hardware.

Answer:

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9. What are the main principles of cybersecurity and how can they be implemented?

Answer:

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10. Describe the concept of machine learning and its applications in modern technology.

Answer:

MCQ Questions

11. What is the full form of CPU?

a) Central Processing Unit

b) Central Program Unit

c) Central Processing Unit

d) Central Program Unit

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12. Which language is primarily used for web development?

a) Python

b) JavaScript

c) Java

d) C#

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13. What does HTML stand for?

a) Hypertext Markup Language

b) Hypertext Machine Language

c) Hyperlink Markup Language

d) Hypertext Markup Language

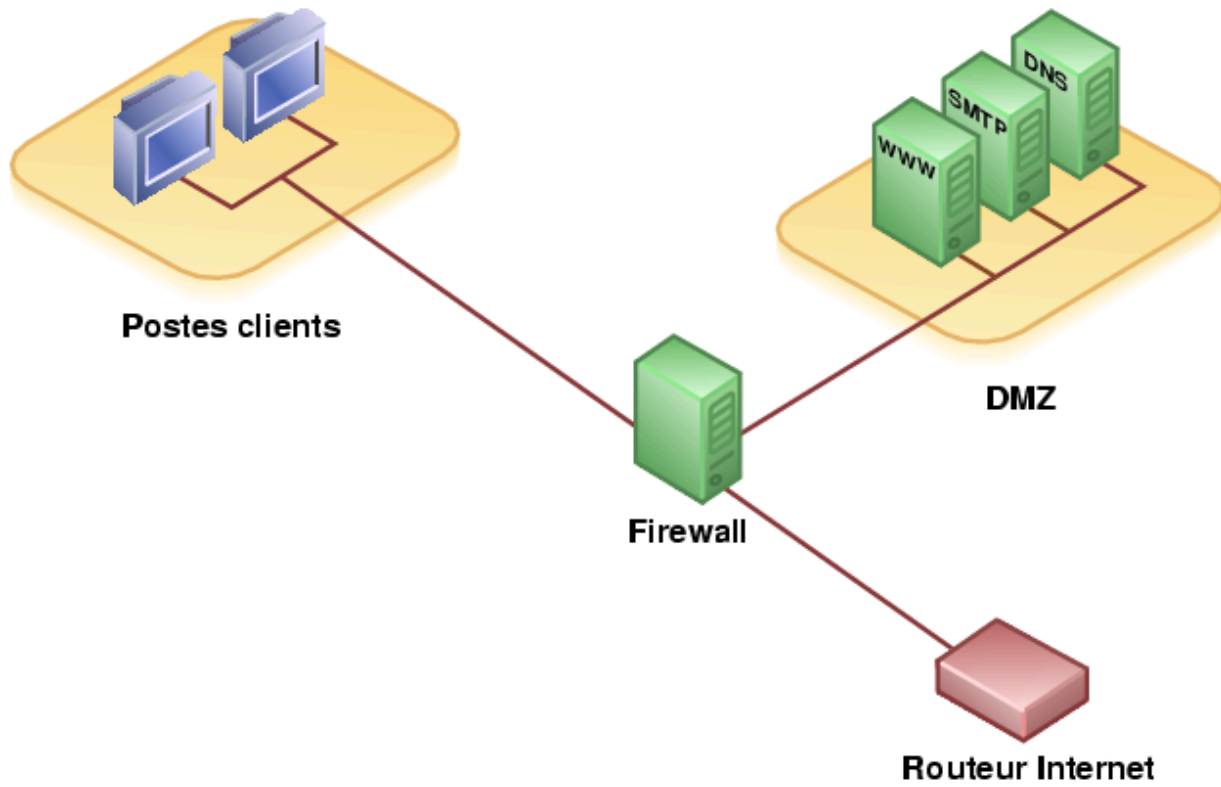---

14. What is the main function of the operating system?

a) Manage hardware resources

b) Execute applications

c) Display the user interface

d) Manage software programs

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15. Which of the following is a database management system?

a) MySQL

b) Windows

c) Linux

d) Apache

Diagram Questions

16. Draw a flowchart for a program to find the largest of three numbers.

17. Illustrate the basic architecture of a computer system (CPU, RAM, I/O devices).