

COMPUTER-SCIENCE Exam Paper

Subjective Questions

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

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

Answer:

MCQ Questions

11. What is the full form of CPU?

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|----------------------------|-------------------------|
| 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?

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|-----------|---------------|
| a) Python | b) JavaScript |
| c) Java | d) C# |
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13. What does HTML stand for?

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|------------------------------|-------------------------------|
| a) Hypertext Markup Language | b) Hypertext Machine Language |
| c) Hyperlink Markup Language | d) Hypertext Markup Language |
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14. What is the main function of the operating system?

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|-------------------------------|-----------------------------|
| 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?

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| a) MySQL | b) Windows |
| c) Linux | d) Apache |
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