VEC2 C182 Introduction to IT Version 1

Section: IT & Computer Studies • **Total Questions:** 10 • **Format:** Verified Q&A

1. Which component comes in two varieties—one that mechanically writes binary data onto spinning magnetic disks and one that writes data with no mechanical parts?

(A) Motherboard
(B) System clock
(C) Expansion bus
(D) Hard drive

2. Which component of an operating system allows the operating system to run applications?

(A) User interface
(B) Driver
(C) Kernel
(D) File manager

3. Which hardware component handles the operations performed on data?

(A) Processing unit
(B) Primary storage
(C) Peripheral device
(D) Secondary storage

4. What is the component of the data-information-knowledge-wisdom (DIKW) hierarchy that focuses on application?

(A) Data
(B) Wisdom
(C) Knowledge
(D) Information

5. Which category of software allows other types of software to interface with the computer hardware?

(A) Collaboration
(B) Shareware
(C) System
(D) Productivity

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6. What characterizes a star network topology?

(A) Every device being connected to exactly two other devices
(B) Every device being connected to every other device
(C) Devices being connected to a common communication line
(D) All devices being connected to a single central device

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7. The primary database application used by a company is having issues, specifically with the layer that alters the database after receiving a request. What is the name of this layer of the database application?

(A) The object-oriented layer
(B) The flat-file layer
(C) The database management layer
(D) The application layer

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8. Based on the instructions on the package, a frozen pizza should be baked for 18 minutes at 400°F. Which term describes the statement, 'The pizza looks done after 16 minutes, so it should be taken out,' based on the DIKW hierarchy?

(A) Data
(B) Knowledge
(C) Wisdom
(D) Information

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9. Which component of the data-information-knowledge-wisdom (DIKW) pyramid includes raw facts?

(A) Information
(B) Wisdom
(C) Knowledge
(D) Data

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10. A programmer needs to create a variable that holds the plus sign (+) for the addition operation. What is the name of the data type that should be used?

(A) Floating point

(B) Character string

(C) Character

(D) Integer