VEC2 C182 Introduction to IT Version 4

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

1. What does a router do?

(A) Provides services, such as website hosting and routing, for various devices
(B) Manages traffic by maintaining a table of known devices on the network
(C) Extends the cable range and allows connections to be made by increasing the signal strength
(D) Converts incoming analog data into digital and outgoing digital data into analog

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

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

3. What is the hardware component that contains soldered parts and slots for other pieces of hardware that can be removed?

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

4. Which technology is characteristic of second-generation computing?

(A) Artificial intelligence
(B) Nanotechnology
(C) Transistors
(D) Microprocessors

5. What is the generation of computing known for natural language processing and machine learning capabilities?

(A) Second
(B) Third
(C) Fourth
(D) Fifth

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6. Which hardware component allocates resources and communicates with all other components?

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

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7. There are 30 questions on a final exam. The exam will be given in room 126 at 2:00 p.m., and students have one hour to complete it. What is the DIKW pyramid component exemplified by the statement, 'I have completed 25 questions, so I am almost done'?

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

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8. What do IT professional organizations publish to offer morals by which individuals and companies abide?

(A) Regulations
(B) Ethics
(C) Bylaws
(D) Policies

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9. Which piece of network equipment extends the cable range and allows connections to be made by increasing the signal strength?

(A) Firewall
(B) Repeater
(C) Router
(D) Switch

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10. Which type of storage allows for the quickest restoration of data?

(A) Off-site

(B) On-site

(C) Cold

(D) Hot