1. According to the Oxford Dictionary definition, what does IoT enable devices to do? (Easy)
A) Automate all human tasks
B) Connect via the internet and share data
C) Replace traditional computing systems
D) Operate without any internet connection
Answer: B) Connect via the internet and share data
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2. Which of the following is a key component of the IoT equation? (Easy)
A) Artificial Intelligence
B) Actuator
C) Blockchain
D) Quantum computing
Answer: B) Actuator
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3. What distinguishes IoT content consumption from traditional networks? (Medium)
A) Content is accessed via search engines
B) Information is pushed and actions are triggered automatically
C) Data is stored locally on devices
D) Human intervention is required for processing
Answer: B) Information is pushed and actions are triggered automatically
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4. Which IoT system level uses a coordinator node to collect data from end nodes? (Hard)
A) Level-1
B) Level-3
C) Level-5
D) Level-6
Answer: C) Level-5
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5. Which protocol is commonly used for short-range IoT communication? (Easy)
A) 4G
B) Ethernet
C) Bluetooth
D) IPv6
Answer: C) Bluetooth
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6. What is the purpose of a "digital twin" in IoT? (Medium)
A) To replace physical devices with virtual ones
B) To simulate real-time sensor data and improve system performance
C) To encrypt data transmission
D) To reduce battery consumption in devices
Answer: B) To simulate real-time sensor data and improve system performance
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7. Which IoT characteristic ensures long-lasting operation for battery-powered devices? (Medium)*
A) Scalability
B) Minimal human intervention
C) Long battery lifetime
D) Secure communication
Answer: C) Long battery lifetime
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8. A smart farming system uses soil moisture sensors. Which IoT application domain does this rep
A) Environmental Monitoring
B) Healthcare
C) Transportation
D) Retail
Answer: A) Environmental Monitoring
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9. Which IoT level is suitable for computationally intensive data analysis? (Hard)
A) Level-2 (local analysis)
B) Level-3 (cloud analysis)
C) Level-4 (multiple local nodes)
D) LevelElectricalBustion
Answer: B) Level-3 (cloud analysis)
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10. What does the *4S Rule* in IoT emphasize? (Easy)
A) Speed, Storage, Security, Scalability
B) Simple, Secure, Smart, Scalable
C) Sensors, Software, Systems, Stability
D) Synchronization, Safety, Standards, Simulation
Answer: B) Simple, Secure, Smart, Scalable