1. Which of the following is part of the IoT equation as defined in the text? (Easy)**
A) Human interaction
B) Controller, Sensor, and Actuator
C) Blockchain technology
D) Artificial Intelligence algorithms
Answer:** B) Controller, Sensor, and Actuator
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2. According to the Oxford Dictionary definition, what enables IoT devices to share data? (Easy)**
A) The internet
B) Human intervention
C) Cloud computing
D) Wireless sensor networks
Answer:** A) The internet
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3. Which IoT characteristic ensures that devices operate with minimal human involvement? (Mediu
A) Long battery lifetime
B) Scalability
C) Minimal human intervention
D) Use of embedded systems
Answer:** C) Minimal human intervention
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4. Which IoT level involves a coordinator node collecting data from end nodes and sending it to the
A) Level-1
B) Level-3
C) Level-5
D) Level-6
Answer:** C) Level-5
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5. In which application domain would soil moisture and temperature sensors most likely be used?
A) Healthcare
B) Agriculture
C) Smart retail
D) Environmental monitoring
Answer:** B) Agriculture
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6. What does the "4S rule" in IoT systems require? (Medium)**
A) Speed, Security, Simplicity, Scalability
B) Sensors, Software, Storage, Security
C) Simple, Secure, Smart, Scalable
D) Stability, Safety, Speed, Sensors
Answer:** C) Simple, Secure, Smart, Scalable
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7. Which communication protocol is explicitly mentioned as part of IoT components? (Easy)**
A) HTTP
B) FTP
C) Bluetooth
D) SMTP
Answer:** C) Bluetooth
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8. How does IoT differ from the Traditional Internet in terms of content creation? (Hard)**
A) IoT relies on human-generated content, while the Traditional Internet uses machine-generated content.
B) IoT uses machine-generated content, while the Traditional Internet relies on human-generated content.
C) Both rely on human-generated content.
D) IoT does not involve content creation.
Answer:** B) IoT uses machine-generated content, while the Traditional Internet relies on human-
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9. Why is local processing sometimes overlooked in IoT systems? (Hard)**
A) It is too expensive.
B) Most data pushed to the cloud is irrelevant.
C) It requires human intervention.
D) It is incompatible with long battery life.
Answer:** B) Most data pushed to the cloud is irrelevant
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10. Which concept refers to electronic environments responsive to human presence? (Medium)**
A) Machine-to-Machine (M2M)
B) Digital Twin
C) Ambient Intelligence (AmI)
D) Big Data Analytics
Answer:** C) Ambient Intelligence (AmI)