1. Which of the following is a component of the IoT equation? (Easy)**
A) Human interaction
B) Physical Object + Controller, Sensor and Actuator + Internet
C) Cloud storage
D) HTML content creation
Answer: B) Physical Object + Controller, Sensor and Actuator + Internet
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2. At which IoT level is data stored and analyzed in the cloud with a single node? (Medium)**
A) Level 1
B) Level 3
C) Level 5
D) Level 6
Answer: B) Level 3
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3. A company wants to deploy an IoT system where multiple sensors send data directly to the clou
A) Level 2
B) Level 4
C) Level 5
D) Level 6
Answer: D) Level 6
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4. The IoT 4S rule includes which of the following? (Easy)**
A) Secure, Scalable, Stable, Simple
B) Smart, Secure, Scalable, Simple
C) Safe, Smart, Sustainable, Scalable
D) Secure, Standardized, Smart, Simple
Answer: B) Smart, Secure, Scalable, Simple
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5. How does IoT differ from traditional networks in terms of content creation? (Medium)**
A) IoT uses HTML for content creation.
B) IoT content is created by machines, not humans.
C) Traditional networks rely on cloud storage.
D) IoT requires explicit links for content combination.
Answer: B) IoT content is created by machines, not humans.
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6. Which application domain uses RFID tags for communication? (Easy)**
A) Healthcare
B) Transportation
C) Energy Management
D) Environmental Monitoring
Answer: B) Transportation
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7. Which of the following is NOT a core IoT component? (Medium)**
A) FPGA-based control
B) Sensors (real or virtual)
C) Cloud storage
D) ZigBee communication protocols
Answer: C) Cloud storage**

**8. Which concept refers to direct communication between devices without human intervention? (Ha
A) Ambient Intelligence (AmI)
B) Digital Twins
C) Machine-to-Machine (M2M)
D) Big Data Analytics
Answer: C) Machine-to-Machine (M2M)**
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9. A key characteristic of IoT devices is: (Medium)**
A) High human intervention during operation
B) Short battery lifetime
C) Long battery lifetime
D) Reliance on wired communication only
Answer: C) Long battery lifetime**
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10. What is the primary function of a Digital Twin? (Hard)**
A) Replace physical systems entirely
B) Simulate real-time sensor data and generate recommendations
C) Store historical data for compliance
D) Act as a backup for cloud servers
Answer: B) Simulate real-time sensor data and generate recommendations**