

**1. What is the IoT equation as defined in the text? (Easy)\*\***

- A) Sensor + Actuator + Human Interaction
- B) Physical Object + Controller, Sensor and Actuator + Internet
- C) Cloud Computing + Big Data + Networking
- D) Machine-to-Machine + Embedded Systems

**\*\*Answer:\*\* B) Physical Object + Controller, Sensor and Actuator + Internet**

---

**2. Which IoT level involves a coordinator node that collects data from end nodes and sends it to the cloud? (Easy)\*\***

- A) Level-1
- B) Level-3
- C) Level-4
- D) Level-5

**\*\*Answer:\*\* D) Level-5**

---

**3. Which IoT system level is suitable for scenarios requiring computationally intensive analysis in the cloud? (Easy)\*\***

- A) Level-1
- B) Level-2
- C) Level-3
- D) Level-6

**\*\*Answer:\*\* C) Level-3**

---

**4. According to the Oxford Dictionary definition, what does IoT enable devices to do? (Easy)\*\***

- A) Share data via the internet
- B) Replace human decision-making
- C) Operate without sensors
- D) Use only wired communication

**\*\*Answer:\*\* A) Share data via the internet**

---

**5. What is the primary purpose of a "Digital Twin" in IoT? (Medium)\*\***

- A) Replace physical systems entirely
- B) Store historical data offline
- C) Simulate real-time sensor data and generate recommendations
- D) Act as a backup for cloud storage

**\*\*Answer:\*\* C) Simulate real-time sensor data and generate recommendations**

---

**6. How does content creation differ between traditional networks and IoT? (Hard)\*\***

- A) Traditional networks use machines; IoT uses humans
- B) Traditional networks rely on humans; IoT relies on machines
- C) Both rely on human-generated content
- D) IoT does not involve content creation

**\*\*Answer:\*\* B) Traditional networks rely on humans; IoT relies on machines**

---

**7. Which of the following is part of the IoT 4S rule? (Easy)\*\***

- A) Speed
- B) Stability
- C) Symmetry
- D) Scalable

**\*\*Answer:\*\* D) Scalable**

---

**8. Which communication protocol is NOT listed as part of IoT components in the text? (Medium)\*\***

- A) RFID
- B) Bluetooth
- C) HTTP
- D) ZigBee

**\*\*Answer:\*\* C) HTTP**

---

**9. A Level-6 IoT system is characterized by: (Hard)\*\***

- A) A single node performing all tasks locally
- B) A coordinator node managing end nodes
- C) Local analysis only
- D) Independent end nodes sending data directly to the cloud

**\*\*Answer:\*\* D) Independent end nodes sending data directly to the cloud**

---

**10. What does Ambient Intelligence (Aml) emphasize? (Medium)\*\***

- A) Direct machine-to-machine communication
- B) Environments responsive to human presence
- C) Long battery life for devices
- D) Cloud-based data storage

**\*\*Answer:\*\* B) Environments responsive to human presence**