

**1. What does the IoT equation "Physical Object + Controller, Sensor and Actuator + Internet" represent?**

- A) Traditional networking
- B) Internet of Things (IoT)
- C) Cloud computing architecture
- D) Ambient Intelligence (AmI)

**\*\*Answer:\*\* B) Internet of Things (IoT)**

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**2. Which organization defined IoT as "a network of objects in your home or office that have sensors and actuators"?**

- A) Oxford Dictionary
- B) Alliance for Internet of Things Innovations (AIOTI)
- C) IEEE
- D) ISO

**\*\*Answer:\*\* B) Alliance for Internet of Things Innovations (AIOTI)**

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**3. Which IoT level involves a single node performing sensing/actuation, local analysis, and storing data?**

- A) Level-1
- B) Level-2
- C) Level-3
- D) Level-4

**\*\*Answer:\*\* B) Level-2**

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**4. What is a key characteristic of IoT systems according to the "4S rule"? (Medium)\*\***

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

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

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**5. Which application domain of IoT includes "intelligent traffic control systems" and "RFID tags for asset tracking"?**

- A) Healthcare
- B) Agriculture
- C) Transportation
- D) Energy Management

**\*\*Answer:\*\* C) Transportation**

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**6. Which communication protocol is NOT typically associated with IoT? (Medium)\*\***

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

**\*\*Answer:\*\* D) HTTP**

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**7. What differentiates IoT Level-5 from Level-6? (Hard)\*\***

- A) Level-5 uses cloud-based applications, while Level-6 does not.
- B) Level-5 has a coordinator node, while Level-6 uses independent nodes.
- C) Level-5 requires human intervention, while Level-6 does not.
- D) Level-5 stores data locally, while Level-6 uses the cloud.

**\*\*Answer:\*\* B) Level-5 has a coordinator node, while Level-6 uses independent nodes.**

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**8. Why is "local processing" sometimes overlooked in IoT systems? (Hard)\*\***

- A) It increases device cost.
- B) It requires human intervention.
- C) Irrelevant data is often pushed to the cloud.
- D) It violates the 4S rule.

**\*\*Answer:\*\* C) Irrelevant data is often pushed to the cloud.**

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**9. Which IoT level is most suitable for wireless sensor networks with computationally intensive data processing? (Hard)\*\***

- A) Level-3
- B) Level-4
- C) Level-6
- D) Level-5

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

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**10. What is a primary challenge for IoT devices regarding power? (Medium)\*\***

- A) High energy consumption
- B) Long battery lifetime requirements
- C) Dependency on wired power sources
- D) Frequent charging needs

**\*\*Answer:\*\* B) Long battery lifetime requirements**

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