

1. According to the Oxford Dictionary (2022), what is the Internet of Things (IoT)? (Easy)**

- A) A network of human-created content shared via the internet
- B) The connection of everyday objects via the internet to share data
- C) A system for cloud-based data storage
- D) A type of wireless sensor network

****Answer:** B) The connection of everyday objects via the internet to share data**

2. Which of the following is part of the IoT 4S rule? (Medium)**

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

****Answer:** C) Scalable**

3. A company needs an IoT system with multiple nodes, computationally intensive data analysis, and

- A) Level-1
- B) Level-3
- C) Level-5
- D) Level-6

****Answer:** C) Level-5**

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

- A) Traditional networking
- B) Machine-to-Machine (M2M) communication
- C) Internet of Things (IoT)
- D) Cloud computing architecture

****Answer:** C) Internet of Things (IoT)**

5. Which IoT communication protocol is typically used for short-range communication? (Medium)**

- A) 4G
- B) Ethernet
- C) ZigBee
- D) IPv6

****Answer:** C) ZigBee**

6. What is the primary purpose of a "Digital Twin" in IoT? (Hard)**

- A) To replace physical systems entirely
- B) To simulate real-time sensor data and improve system performance
- C) To store historical data in the cloud
- D) To act as a backup for IoT devices

****Answer:** B) To simulate real-time sensor data and improve system performance**

7. Which application domain of IoT includes "intelligent heating and cooling systems"? (Easy)**

- A) Healthcare
- B) Smart Home
- C) Environmental Monitoring
- D) Transportation

****Answer:** B) Smart Home**

8. A Level-1 IoT system is characterized by: (Medium)**

- A) Multiple nodes and cloud-based analysis
- B) A single node handling sensing, storage, analysis, and application
- C) Independent nodes communicating directly with the cloud
- D) A coordinator node managing end nodes

****Answer:** B) A single node handling sensing, storage, analysis, and application**

9. In which IoT level does a centralized controller send commands to independent nodes that com

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

****Answer:** D) Level-6**

10. What distinguishes Machine-to-Machine (M2M) from Ambient Intelligence (Aml)? (Medium)**

- A) M2M focuses on human-device interaction, while Aml focuses on device-device communication
- B) M2M involves direct device communication, while Aml focuses on environments responsive to human p
- C) M2M requires cloud computing, while Aml uses edge computing
- D) M2M is a subset of IoT, while Aml is unrelated

****Answer:** B) M2M involves direct device communication, while Aml focuses on environments res**